ASTER/PALSAR Unified Search Site

User's Manual

April 1, 2013

Revision History			
Version	Date	Description of Revision	Remarks
1st Ver.	2012/06/25	Release of the first version	-
2nd Ver.	2013/04/01	Added explanations of the functions regarding user registration and PALSAR data product order	

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1. About ASTER/PALSAR Unified Search

1.1. ASTER/PALSAR Unified Search

[ASTER/PALSAR Unified Search] provides services to search and order ASTER and PALSAR data products together on the internet.

Internet Explorer 7.0 or later and Fire Fox 12.0 or later are recommended as web browsers for urging [ASTER/PALSAR Unified Search].

1.2. Access to [ASTER/PALSAR Unified Search]

Visit URL of [ASTER/PALSAR Unified Search] shown below.

http://gds.ersdac.jspacesystems.or.jp/

Structure of [ASTER/PALSAR Unified Search] is shown below, and every screen is available. Depending on a screen, user certification is required.

Each [ASTER GDS] and [ASTER/PALSAR Unified Search] provides own [Login] and [Cart] .

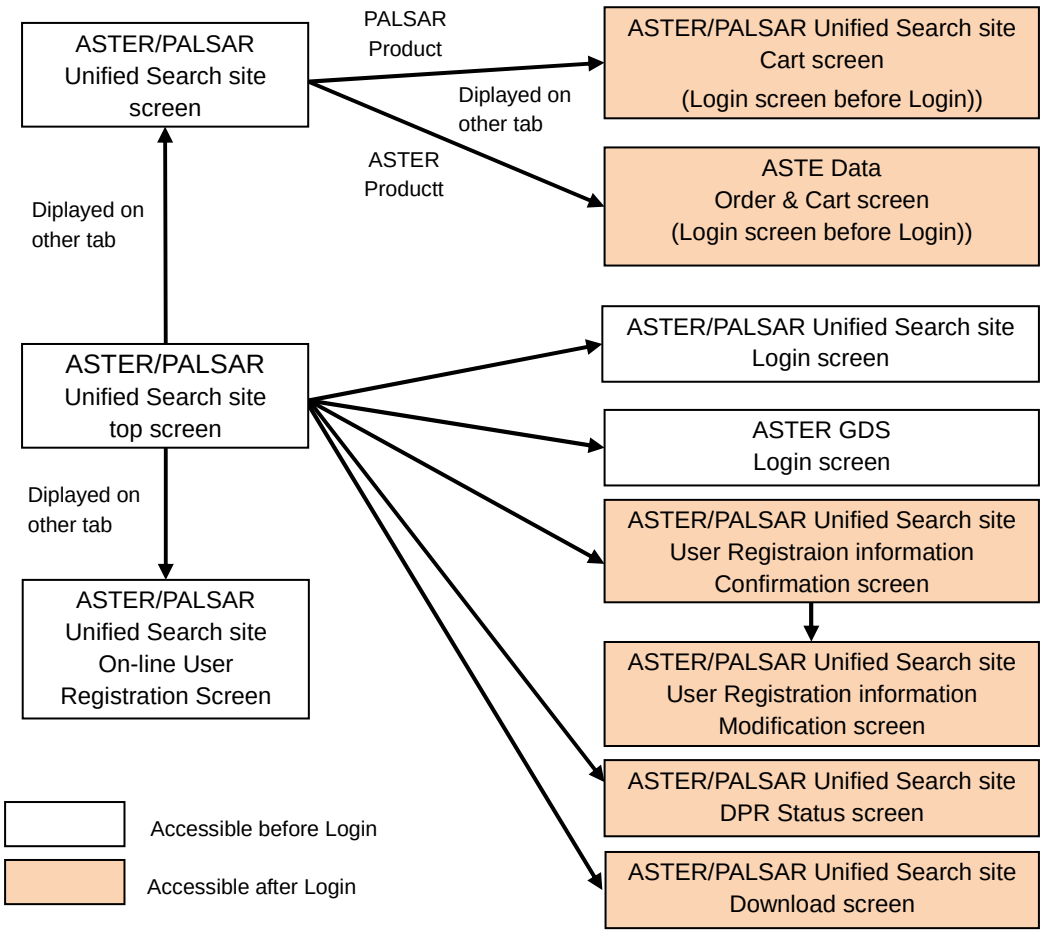

Fig. 1.2-1 Structure of ASTER/PALSAR Unified Search site

User accounts of [ASTER GDS] and [ASTER/PALSAR Unified Search] is available on [ASTER/PALSAR Unified Search]. They are required for ordering ASTER and PALSAR data products.

ASTER [Online User Registration] is available through [ASTER GDS] as a user [ASTER GDS]. For more information about the user registration of [ASTER GDS], see [2.2.1 User Registration through ASTER GDS].

PASLAR [Online User Registration] is available through [ASTER/PALSAR Unified Search]. The user account would be available after it is registered. The registered user information would be confirmed or modified later. For more information about the user registration, see [2.2.2 User Registration].

[Mosaic Layers] on the map of the searching site is required user certification; users can see the layers with each user account of [ASTER GDS] and [ASTER/PALSAR Unified Search]. For more information, see [3.7 Switch Layers].

1.3. Definitions

■ ASTER L1A Product

ASTER L1A product is generated by applying realignment processing to ASTER observation data. Geometric and radiometric correction coefficients including SWIR parallax correction and inter-telescope miss-registration correction are appended. But these corrections are not applied to the image data.

■ PALSAR L0 Virtual Scene

PALSAR L0 virtual scene is the theoretically framed scene coverage on the earth surface. The coverage is calculated from observation time and orbit information of raw data (level 0 data).

■ PALSAR L1.0 Virtual Scene

PALSAR L1.0 virtual scene is the theoretically framed scene by applying data editing such as bit realignment (L1.0 processing) to generate L1.0 product. SAR recovery processing is not yet applied to L1.0 product. In the process of generating L1.0, browse image of the L1.0 virtual scene is created. Orbit information to be used for L1.0 processing is High Accuracy Orbit Information, Orbit Determination Value, GPSR, and Estimated Orbit in descending order of accuracy. The most accurate orbit information held in PALSAR GDS at the time of processing is used.

■ Inventory

Inventory is the catalog information on each scene, such as observation time, geolocation, cloud coverage for ASTER, and quality assurance of image data. Inventory information on the generated products is stored and managed in the database. By inventory search described in later part, inventory information managed at GDS can be retrieved under the specified search conditions.

■ Granule

Granule is the smallest aggregation of data for observation to be stored, managed, and delivered at GDS. Each scene has a granule ID to identify its corresponding inventory.

■ Interferometry Processing

This processing is applied to SAR data in order to measure terrain and extract change of

terrain by interfering two data of the same area which were observed on different date and time in the same conditions.

1.4. Services Provided at ASTER/PALSAR Unified Search Site

[ASTER/PALSAR Unified Search] provides services which are shown below.

1.4.1. Data Products Search Service

Data product search service provides simultaneous search for ASTER and PALSAR data products (L1A products of ASTER, L0 and L1.0 Virtual scenes of PALSAR).

Data product search is performed by methods shown below.

1.4.1.1. Inventory Search

Search ASTER and PALSAR data through specifying inventory information such as observation time and area as search conditions. ASTER L1A and PALSAR L0/L1.0 Virtual scenes are retrieved by this method.. This method can search both ASTER and PALSAR data.

Select data products on the search result to add to [Cart] for making an order.

1.4.1.2. Granule ID Search

Search ASTER and PALSAR data through specifying granule IDs. ASTER L1A, PALSAR L0/L1.0 Virtual scenes are retrieved by this method, and high level products. Although users can search with high level products of ASTER data, only ASETR L1A products are listed on [Search Result]. Up to 500 Granule IDs for both ASTER and PALSAR scenes are searchable at one time.

Select data products on the search result to add to [Cart] for making an order.

1.4.1.3. Interferometry Pair Search

Interferometry pair search is for PALSAR L0 virtual scene and L1.0 virtual scene only.

Two types of search methods are available; Master Granule ID and AOI.

Master Granule ID search requires a granule ID of master scene and search conditions for searching slave scenes. Retrieved slave scenes would have the same path number, row number, and off-nadir angle as the master and be matched the specified search conditions. Select data products on the search result to add to [Cart] for making an order.

AOI search requires setting conditions to collect scenes which could be master and slave pairs by AOI on the map. The search engine retrieves virtual scenes to match the search conditions. It groups retrieved scenes by path/row numbers and off-nadir angles.

Perpendicular baselines (Bperp as followed) among scenes in each group are calculated. A scene in the group is considered as master image and others as slaves to calculate Bperp. This processing is applied to all the scenes in the group considering all the scenes as master scenes. Then, master scenes, which have shorter Bperp with own slave scenes are than the specified value, are listed on search result. Users can download the list of interferometry pairs as a CSV file. , Users cannot select them to add to [Cart].

1.4.1.4. Matching Scenes Search

Users can search other ASTER and PALSAR data with the previous search result. The search engine search data by retrieved scenes' inventories, which include their own center points on base scene coverage of one of scenes on previous search result. Users can add extra conditions; observation mode(s) for ASTER and PALSAR and cloud coverage for ASTER can be specified.

This search method uses previous search result of any search methods.

1.4.2. Data Product Order Service

Users can make orders searched ASTER and PALSAR data products. Processing parameters for each product are specified in the ordering process to request higher level products.

This service is provided on [Product Order] of [ASTER GDS] for ASTER data products.

User certification on [ASTER GDS] is required to order ASTER data products. User certification on [ASTER/PALSAR Unified Search] is also required to order PALSAR data products.

1.4.3. DPR Status Display Service

Regarding PALSAR product orders, every status of the last orders are referred on [Data Product Order Service]. Only unpaid orders can be cancelled there. User certification is required.

For ASTER data products orders, the same service is available on [ASTER GDS].

1.4.4. Online User Registration Service

User registration is available on [ASTER/PALSAR Unified Search]. User information is required to register. Users can confirmed and modify own user information

2. Operation Procedures

2.1. Outline of Top Page of [ASTER/PALSAR Unified Search]

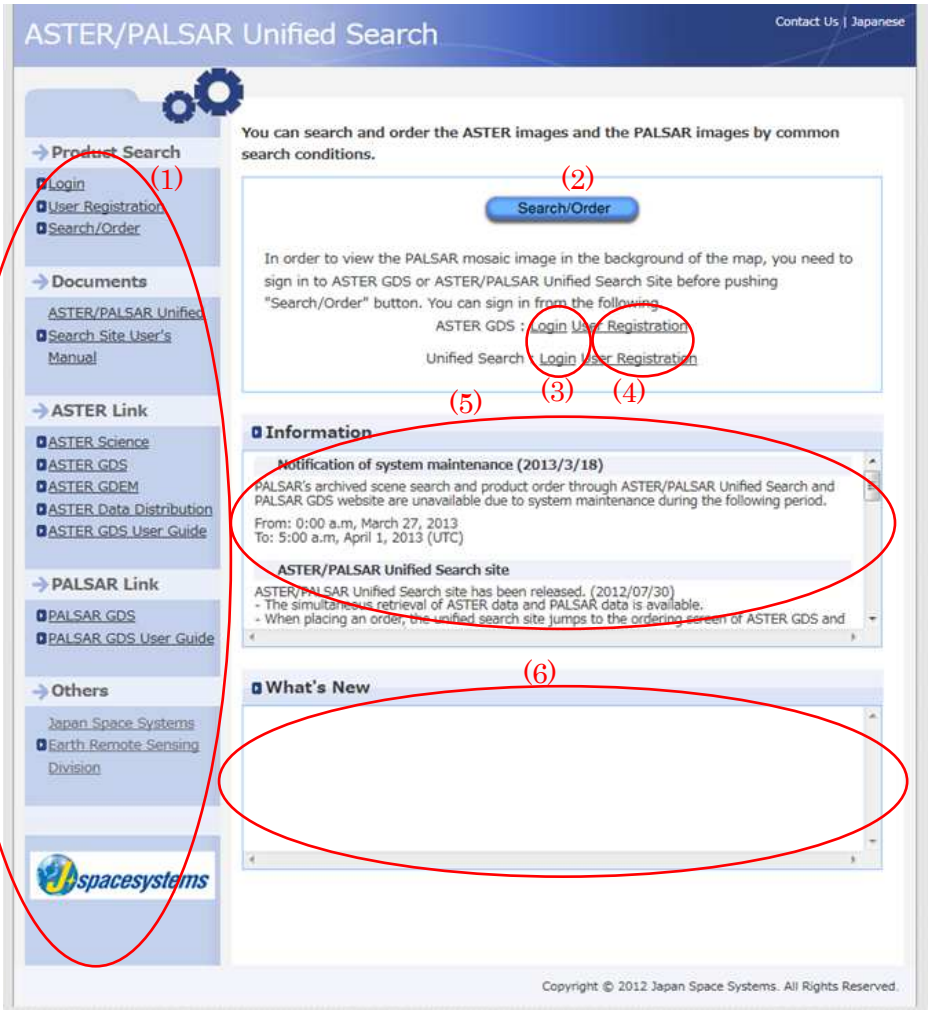
ASTER/PALSAR Unified Search
Contact Us | Japanese
Product Search
Login
User Registration
Search/Order
Documents
ASTER/PALSAR Unified Search Site User's Manual
ASTER Link
ASTER Science
ASTER GDS
ASTER GDEM
ASTER Data Distribution
ASTER GDS User Guide
PALSAR Link
PALSAR GDS
PALSAR GDS User Guide
Others
Japan Space Systems
Earth Remote Sensing Division
You can search and order the ASTER images and the PALSAR images by common search conditions.
Search/Order
In order to view the PALSAR mosaic image in the background of the map, you need to sign in to ASTER GDS or ASTER/PALSAR Unified Search Site before pushing "Search/Order" button. You can sign in from the following.
ASTER GDS : Login User Registration
Unified Search : Login User Registration
Information
Notification of system maintenance (2013/3/18)
PALSAR's archived scene search and product order through ASTER/PALSAR Unified Search and PALSAR GDS website are unavailable due to system maintenance during the following period.
From: 0:00 a.m, March 27, 2013
To: 5:00 a.m, April 1, 2013 (UTC)
ASTER/PALSAR Unified Search site
ASTER/PALSAR Unified Search site has been released. (2012/07/30)
- The simultaneous retrieval of ASTER data and PALSAR data is available.
- When placing an order, the unified search site jumps to the ordering screen of ASTER GDS and
What's New
(1)
(2)
(3)
(4)
(5)
(6)
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Fig. 2.1-1 [Top] of [ASTER/PALSAR Unified Search]

Table 2.1-1 [Top] of [ASTER/PALSAR Unified Search]

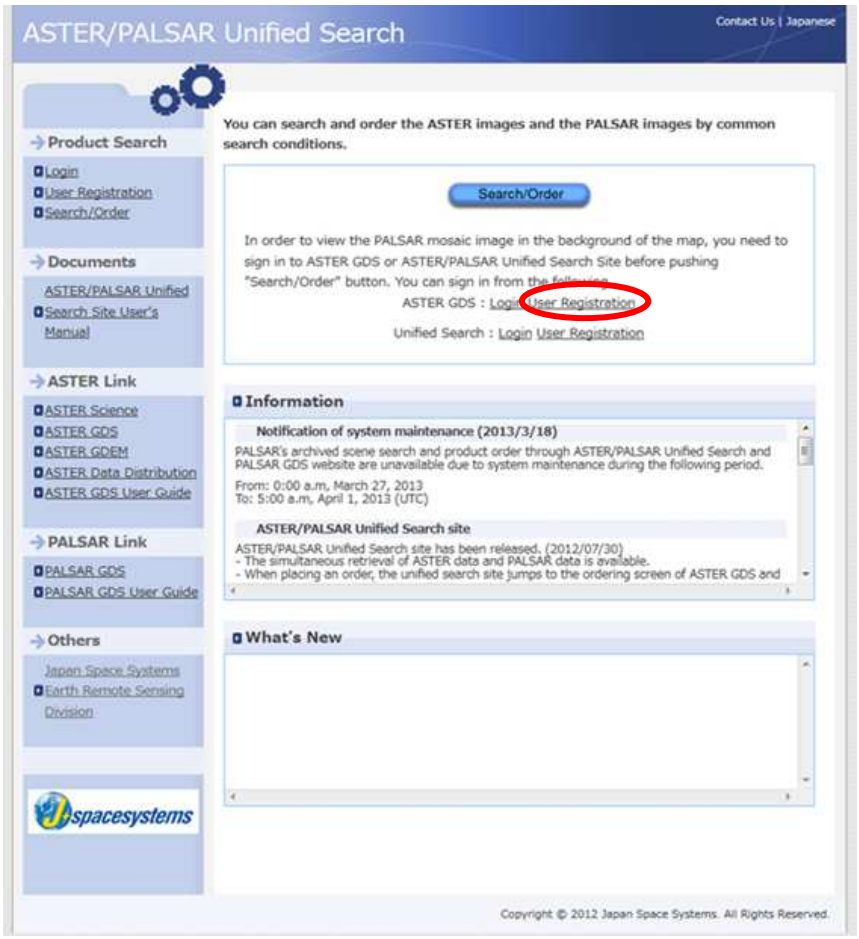
No.	Contents	Description
(1)	Links on side menu	Links to related sites, related sites of ASTER and PALSAR, and User Guide
(2)	[Search/Order] button	[ASTER/PALSAR Unified Search] appears on a new tab by clicking this button

(3)	[Login] link	Login screen for ASTER GDS and/or [ASTER/PALSAR Unified Search] appears on a new tab by clicking
(4)	[User Registration] link	User Registration for [ASTER GDS] and/or [ASTER/PALSAR Unified Search] appears on a new tab by clicking
(5)	Information	Information about [ASTER/PALSAR Unified Search]
(6)	What's New	Latest information about [ASTER/PALSAR Unified Search]

2.2. User Registration

2.2.1. ASTER GDS User Registration

Click [User Registration] of [ASTER GDS] on the top page of [ASTER/PALSAR Unified Search].


ASTER/PALSAR Unified Search
Contact Us | Japanese
Product Search
Login
User Registration
Search/Order
Documents
ASTER/PALSAR Unified Search Site User's Manual
ASTER Link
ASTER Science
ASTER GDS
ASTER GDEM
ASTER Data Distribution
ASTER GDS User Guide
PALSAR Link
PALSAR GDS
PALSAR GDS User Guide
Others
Japan Space Systems
Earth Remote Sensing Division
You can search and order the ASTER images and the PALSAR images by common search conditions.
Search/Order
In order to view the PALSAR mosaic image in the background of the map, you need to sign in to ASTER GDS or ASTER/PALSAR Unified Search Site before pushing "Search/Order" button. You can sign in from the following.
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Unified Search : Login User Registration
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PALSAR's archived scene search and product order through ASTER/PALSAR Unified Search and PALSAR GDS website are unavailable due to system maintenance during the following period.
From: 0:00 a.m, March 27, 2013
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ASTER/PALSAR Unified Search site
ASTER/PALSAR Unified Search site has been released. (2012/07/30)
- The simultaneous retrieval of ASTER data and PALSAR data is available.
- When placing an order, the unified search site jumps to the ordering screen of ASTER GDS and
What's New
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Fig. 2.2.1-1 Click [User Registration] of [ASTER GDS]

When the application form for ASTER GDS User Registration appears on a new tab, apply for user registration following the instructions on the screen.

For more information, visit URL below and see [User Registration] in top menu on the below URL:

http://ims.aster.ersdac.jspacesystems.or.jp/ims/html/Help/HelpMenu_j.html

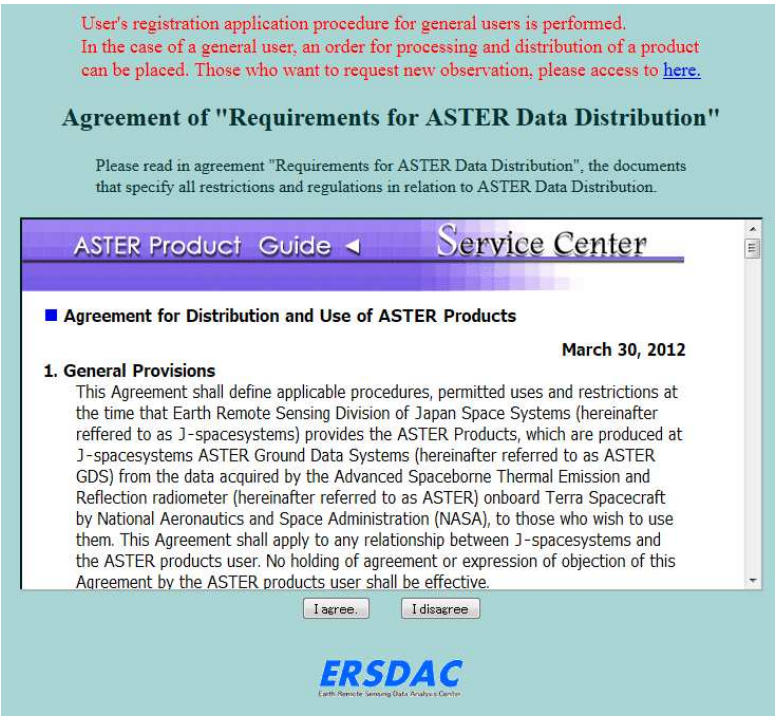
User's registration application procedure for general users is performed.
In the case of a general user, an order for processing and distribution of a product can be placed. Those who want to request new observation, please access to here.
Agreement of "Requirements for ASTER Data Distribution"
Please read in agreement "Requirements for ASTER Data Distribution", the documents that specify all restrictions and regulations in relation to ASTER Data Distribution.
ASTER Product Guide
Service Center
Agreement for Distribution and Use of ASTER Products
March 30, 2012
1. General Provisions
This Agreement shall define applicable procedures, permitted uses and restrictions at the time that Earth Remote Sensing Division of Japan Space Systems (hereinafter reffered to as J-spacesystems) provides the ASTER Products, which are produced at J-spacesystems ASTER Ground Data Systems (hereinafter referred to as ASTER GDS) from the data acquired by the Advanced Spaceborne Thermal Emission and Reflection radiometer (hereinafter referred to as ASTER) onboard Terra Spacecraft by National Aeronautics and Space Administration (NASA), to those who wish to use them. This Agreement shall apply to any relationship between J-spacesystems and the ASTER products user. No holding of agreement or expression of objection of this Agreement by the ASTER products user shall be effective.
I agree.
I disagree
ERSDAC

Fig. 2.2.1-2 [ASTER GDS] User Registration Application

2.2.2. [ASTER/PALSAR Unified Search] User Registration

Click [User Registration] on the top screen of [ASTER/PALSAR Unified Search].

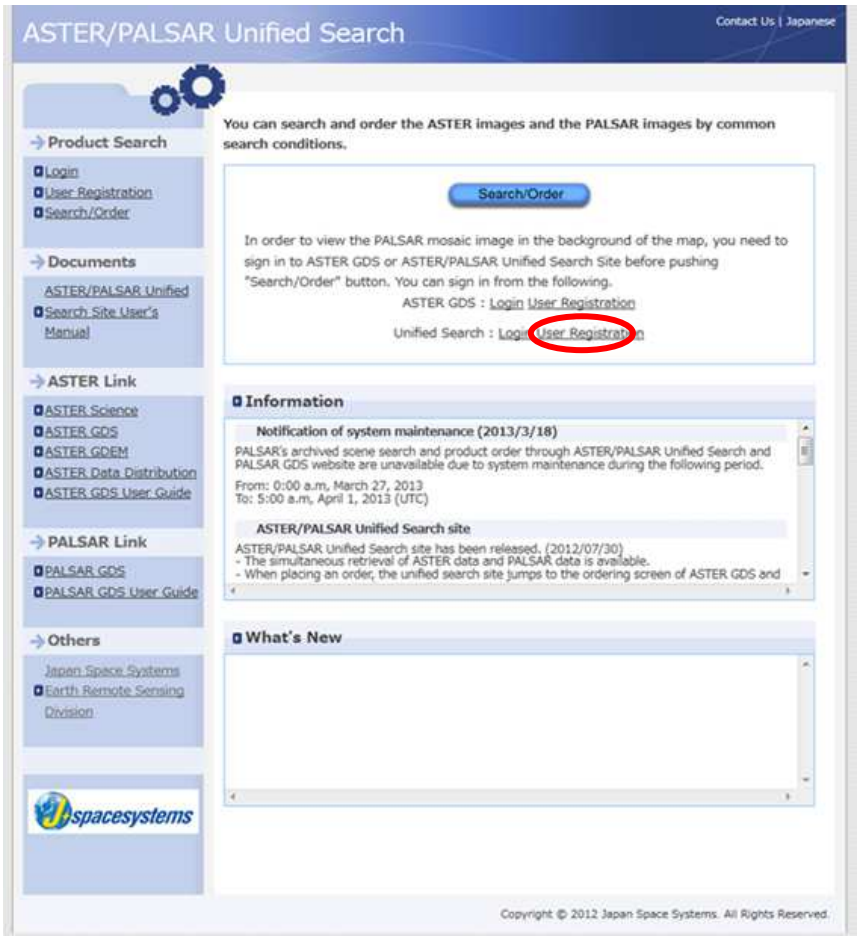
ASTER/PALSAR Unified Search
Contact Us | Japanese
Product Search
Login
User Registration
Search/Order
Documents
ASTER/PALSAR Unified Search Site User's Manual
ASTER Link
ASTER Science
ASTER GDS
ASTER GDEM
ASTER Data Distribution
ASTER GDS User Guide
PALSAR Link
PALSAR GDS
PALSAR GDS User Guide
Others
Japan Space Systems
Earth Remote Sensing Division
spacesystems
You can search and order the ASTER images and the PALSAR images by common search conditions.
Search/Order
In order to view the PALSAR mosaic image in the background of the map, you need to sign in to ASTER GDS or ASTER/PALSAR Unified Search Site before pushing "Search/Order" button. You can sign in from the following.
ASTER GDS : Login User Registration
Unified Search : Login User Registration
Information
Notification of system maintenance (2013/3/18)
PALSAR's archived scene search and product order through ASTER/PALSAR Unified Search and PALSAR GDS website are unavailable due to system maintenance during the following period.
From: 0:00 a.m, March 27, 2013
To: 5:00 a.m, April 1, 2013 (UTC)
ASTER/PALSAR Unified Search site
ASTER/PALSAR Unified Search site has been released. (2012/07/30)
- The simultaneous retrieval of ASTER data and PALSAR data is available.
- When placing an order, the unified search site jumps to the ordering screen of ASTER GDS and
What's New
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Fig. 2.2.2-1 Click [User Registration] of [ASETR/PALSAR Unified Search]

[Online User Registration] is displayed on a new tab. Regarding user registration, it is necessary to comply with Agreements for Distribution and Use of both ASTER and PALSAR data products. Users cannot register without the agreements.

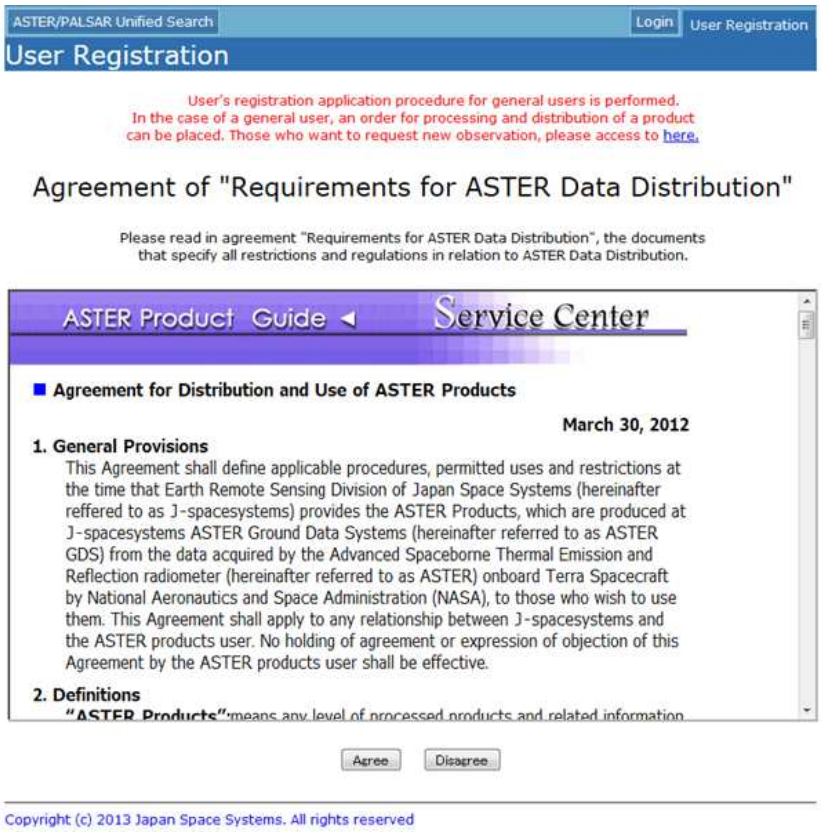

ASTER/PALSAR Unified Search
Login
User Registration
User Registration
User's registration application procedure for general users is performed.
In the case of a general user, an order for processing and distribution of a product
can be placed. Those who want to request new observation, please access to here.
Agreement of "Requirements for ASTER Data Distribution"
Please read in agreement "Requirements for ASTER Data Distribution", the documents
that specify all restrictions and regulations in relation to ASTER Data Distribution.
ASTER Product Guide
Service Center
Agreement for Distribution and Use of ASTER Products
March 30, 2012
1. General Provisions
This Agreement shall define applicable procedures, permitted uses and restrictions at the time that Earth Remote Sensing Division of Japan Space Systems (hereinafter reffered to as J-spacesystems) provides the ASTER Products, which are produced at J-spacesystems ASTER Ground Data Systems (hereinafter referred to as ASTER GDS) from the data acquired by the Advanced Spaceborne Thermal Emission and Reflection radiometer (hereinafter referred to as ASTER) onboard Terra Spacecraft by National Aeronautics and Space Administration (NASA), to those who wish to use them. This Agreement shall apply to any relationship between J-spacesystems and the ASTER products user. No holding of agreement or expression of objection of this Agreement by the ASTER products user shall be effective.
2. Definitions
Agree
Disagree
Copyright (c) 2013 Japan Space Systems. All rights reserved

Fig. 2.2.2-2 Online User Registration Application・Agreement for Distribution and Use of ASTER Products

First of all, [Agreement for Distribution and Use ASTER Products] is displayed. In case users have to read the requirements carefully and agree with them, and click [I agree] button. If [I disagree] button was selected, [Top] of [ASTER/PALSAR Unified Search] is displayed again.

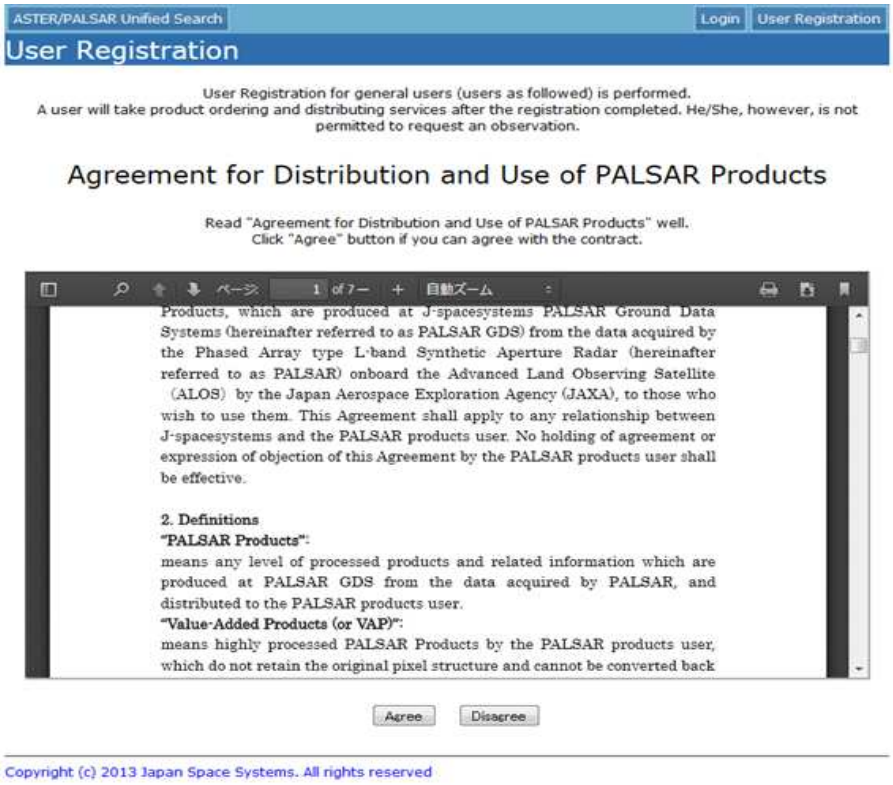

ASTER/PALSAR Unified Search
Login
User Registration
User Registration
User Registration for general users (users as followed) is performed.
A user will take product ordering and distributing services after the registration completed. He/She, however, is not permitted to request an observation.
Agreement for Distribution and Use of PALSAR Products
Read "Agreement for Distribution and Use of PALSAR Products" well.
Click "Agree" button if you can agree with the contract.
Products, which are produced at J-spacesystems PALSAR Ground Data Systems (hereinafter referred to as PALSAR GDS) from the data acquired by the Phased Array type L-band Synthetic Aperture Radar (hereinafter referred to as PALSAR) onboard the Advanced Land Observing Satellite (ALOS) by the Japan Aerospace Exploration Agency (JAXA), to those who wish to use them. This Agreement shall apply to any relationship between J-spacesystems and the PALSAR products user. No holding of agreement or expression of objection of this Agreement by the PALSAR products user shall be effective.
2. Definitions
"PALSAR Products":
means any level of processed products and related information which are produced at PALSAR GDS from the data acquired by PALSAR, and distributed to the PALSAR products user.
"Value-Added Products (or VAP)":
means highly processed PALSAR Products by the PALSAR products user, which do not retain the original pixel structure and cannot be converted back
Agree
Disagree
Copyright (c) 2013 Japan Space Systems. All rights reserved

Fig. 2.2.2-2 [Online User Registration Application]・Agreement for Distribution and Use of PALSAR Data Products

Secondly, [Agreement for Distribution and Use of PALSAR Products] is displayed. Users have to read also the requirements carefully, agree with them, and click [I agree] button. If [I disagree] button was clicked, [Top] of [ASTER/PALSAR Unified Search] is displayed again.

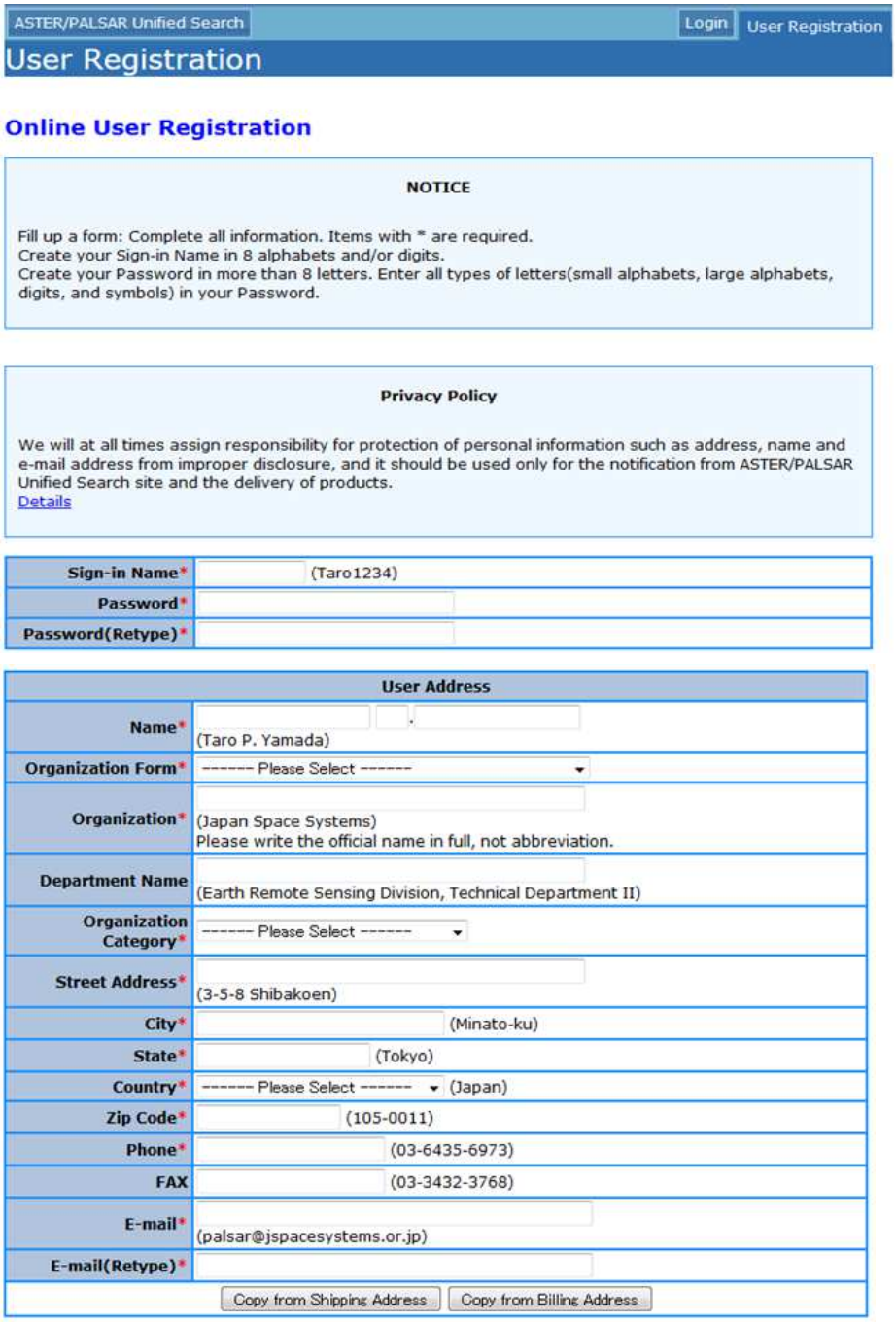


Fig. 2.2.2-3 Online User Registration screen・User Profile Confirmation

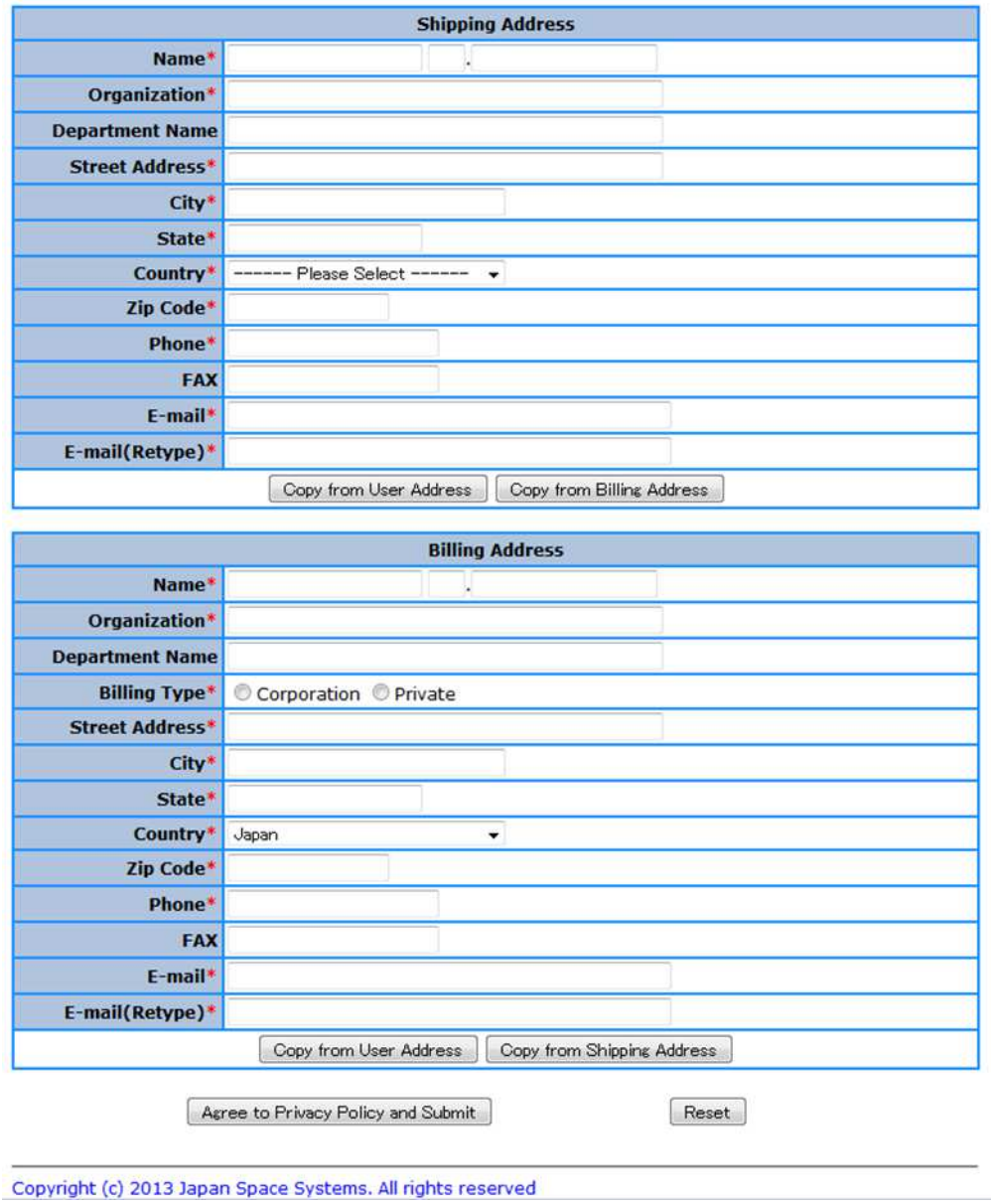


Fig. 2.2.2-3 Online User Registration screen・User Profile Confirmation

The [Online User Registration] is classified by three items, [User Account], [User Address], [Shipping Address], and [Billing Address].

In each field, input alphanumeric characters in single-byte as examples in brackets: (). In addition, the items with * mark are required

Each input item of [Online User Registration] screen is explained below.

< Login Information >

Input login name and password. All items are required. Create Login Name in eight alphabets and/or digits. Also, create Password in 8 and more alphabets and /or digits. It has to be composed by following characters: (1) alphabet (small letter), (2) alphabet (capital letter), (3) number, and (4) symbol.

A warring message is display and the registration is failed in some cases; each of Login Name and Password is not followed the rule, and/or another user has already use same Login name. Check input letters and register again while the registration is failed.

The items and details are show below.

Fig. 2.2.2-5 Input Field of [User Account]

Table 2.2.2-1 Contents of [User Information]

No.	Content	Description	Condition
1	Login name	Create a login name for login	Required 8 single-byte alphanumeric characters
2	Password	Create a password for login	Required 8 and more single-byte alphanumeric characters It has to be composed by following characters: (1)alphabet (small), (2)alphabet (capital), (3)number, and (4)symbol
3	Password (Retype)	Re-enter same as No.2	Same as No.2

<User Address>

Enter [User Address]. Input alphanumeric characters in single-byte as examples in backets (). The items with * mark are required, except only middle name.

Click either [Copy from Shipping Address] or [Copy from Billing Address] to copy each input information of the same content from each input field.

The items and details of [User Address] are show below.

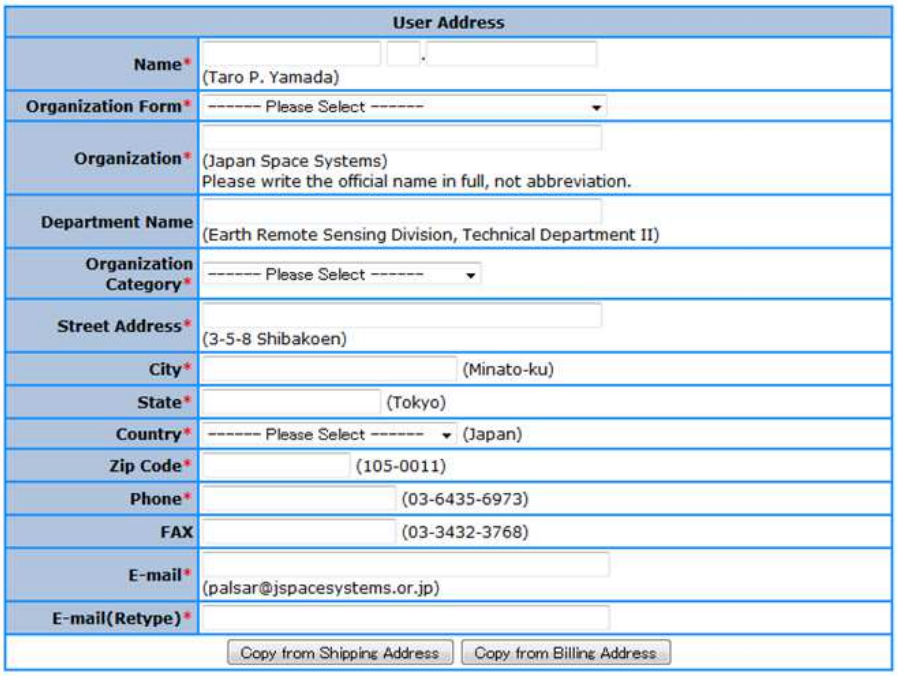


Fig. 2.2.2-6 Input Field of [User Address]

Table. 2.2.2-2 Contents of [User Address]

No.	Content	Description	Condition
1	Name (Alphabet)	First name, initial of middle name and surname by text input	Required of first name and surname input Optional about middle name input First name and surname of 18 or less characters by single-byte character A letter for middle name
2	Organization Form	Select from a pull-down menu of [Organization Form] list	Required
3	Organization	Text input	Required 200 or less characters
4	Department	Text input	Optional 200 or less characters
5	Organization Category	Select from a pull-down menu of [Organization Category] list	Required
6	Country	Select from a pull-down	Required

No.	Content	Description	Condition
		menu of [Country] list	
7	State	Text input	Required 19 or less characters
8	City	Text input	Required 29 or less characters
9	Street Address	Text input	Required 95 or less characters
10	Zip code	Text input	Required 15 or less characters
11	Phone	Text input	Required 21 or less characters
12	FAX	Text input	Optional 21 or less characters
13	E-mail	Text input	Required 49 or less characters
14	E-mail (Retype)	Text input Same contents as No.14	Required 49 or less characters

<Shipping Address>

Input [Shipping Address]. alphanumeric character in single-byte character as examples of in backets: (). The item with * mark is required to input except only middle name.

Click either [Copy from User Address] or [Copy from Billing Address] to copy each input value of the same content from each input field.

The item and details of [Shipping Address] are shown below.

Fig. 2.2.2-7 Input Field of [Shipping Address]

Table 2.2.2-3 Contents of [Shipping Address]

No.	Content	Description	Condition
1	Name (alphabet)	First name, initial of middle name and surname by text input	Required of first name and surname input. Optional about middle name input. Optional about middle name input. First name and surname of 18 or less characters by single-byte character. A letter for middle name
2	Organization	Text input	Required 200 or less characters
3	Department Name	Text input	Optional 200 or less characters
4	Country	Select from a pull-down menu of [Country] list	Select at least one
5	State	Text input	Required 19 or less characters
6	City	Text input	Required 29 or less characters
7	Street Address	Text input	Required 95 or less characters
8	Zip code	Text input	Required

No.	Content	Description	Condition
			15 or less characters
9	Phone.	Text input	Required 21 or less characters
10	FAX	Text input	Optional 21 or less characters
11	E-mail	Text input	Required 49 or less characters
12	E-mail (Retype)	Text input Same contents as No.12	Required 49 or less characters

<Billing Address>

Input [Billing Address]. Input alphanumeric character in single-byte characters example in backets: (). The item with * mark is required to input except only middle name.

Click either [Copy from User Address] or [Copy from Shipping Address] to copy each input value of the same content from each input field.

The item and details of [Billing Address] are shown below.

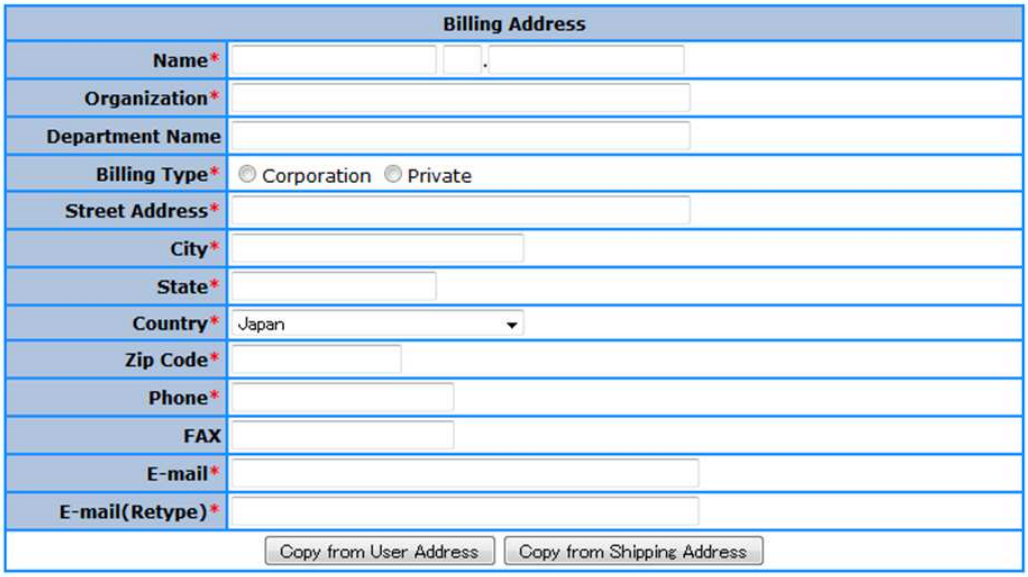


Fig. 2.2.2-8 Input Field of [Billing Address]

Table 2.2.2-4 Contents of [Billing Address]

No..	Content	Description	Condition
1	Name	First name, initial of middle	Required of first name and surname

No..	Content	Description	Condition
	(alphabet)	name and surname by text input	input Optional about middle name input First name and surname of 18 or less characters by single-byte character A character for middle name
2	Organization	Text input	Required 200 or less characters
3	Department Name	Text input	Optional 200 or less characters
4	Billing Type	Choose [Corporation or Private] with radio button	Required
5	Country	Select from a pull-down menu of [Country] list	Select at least one
6	State	Text input	Required 19 or less characters
7	City	Text input	Required 29 or less characters
8	Street Address	Text input	Required 95 or less character
9	Zip Code	Text input	Required 15 or less characters
10	Phone	Text input	Required 21 or less characters
11	FAX	Text input	Optional 21 or less characters
12	E-mail	Text input	Required 49 or less characters
13	E-mail (Retype)	Text input Same contents as No.13	Required 49 or less characters

<Confirm Input Items of [User Registration]>

To confirm input items of User Registration, click [Agree to Privacy Policy and Submit] button at the bottom of screen after confirmation of the input items. In case there is no problem in the input items, the user account registered and [User Profile Confirmation] is displayed.

If there are some errors in input items, warning messages in red appear on input fields. Check input item in accordance with the message input and click [Agree to Privacy Policy and Submit] button again.

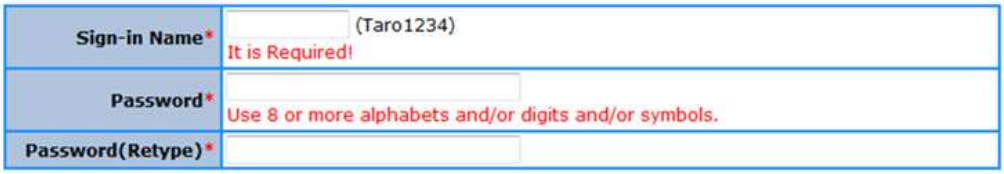


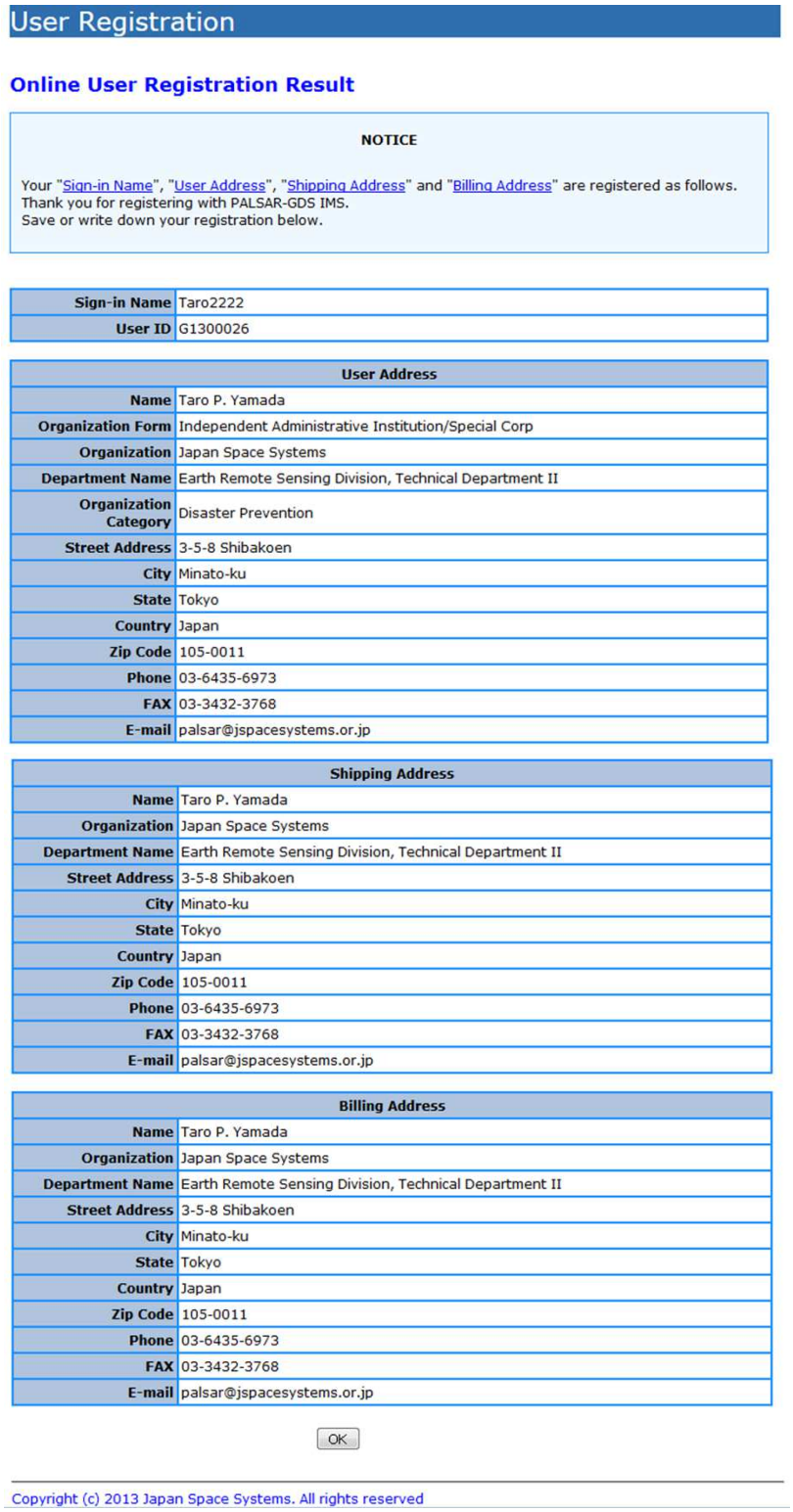
Fig. 2.2.2-9 Example of Errors in Input Items

<Reset User Information>

Click [Reset] button at the bottom of the screen to clear all user registration information. All the registered contents are deleted.

< Confirm Online User Registration Complete>

After performing user registration properly, [Online User Registration Complete] is displayed. On [Online User Registration Complete], users can check input user information.



User Registration

Online User Registration Result

NOTICE

Your "Sign-in Name", "User Address", "Shipping Address" and "Billing Address" are registered as follows.
Thank you for registering with PALSAR-GDS IMS.
Save or write down your registration below.

Sign-in Name	Taro2222
User ID	G1300026

User Address	
Name	Taro P. Yamada
Organization Form	Independent Administrative Institution/Special Corp
Organization	Japan Space Systems
Department Name	Earth Remote Sensing Division, Technical Department II
Organization Category	Disaster Prevention
Street Address	3-5-8 Shibakoen
City	Minato-ku
State	Tokyo
Country	Japan
Zip Code	105-0011
Phone	03-6435-6973
FAX	03-3432-3768
E-mail	palsar@jspacesystems.or.jp

Shipping Address	
Name	Taro P. Yamada
Organization	Japan Space Systems
Department Name	Earth Remote Sensing Division, Technical Department II
Street Address	3-5-8 Shibakoen
City	Minato-ku
State	Tokyo
Country	Japan
Zip Code	105-0011
Phone	03-6435-6973
FAX	03-3432-3768
E-mail	palsar@jspacesystems.or.jp

Billing Address	
Name	Taro P. Yamada
Organization	Japan Space Systems
Department Name	Earth Remote Sensing Division, Technical Department II
Street Address	3-5-8 Shibakoen
City	Minato-ku
State	Tokyo
Country	Japan
Zip Code	105-0011
Phone	03-6435-6973
FAX	03-3432-3768
E-mail	palsar@jspacesystems.or.jp

OK

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Fig. 2.2.2-10 [Online User Registration Complete]

After [Online User Registration Complete] is displayed, the user account is available on [ASTER/PALSAR Unified Search].

By clicking a link to each item listed [NOTICE] on the top of the screen, users jump to the each field and check.

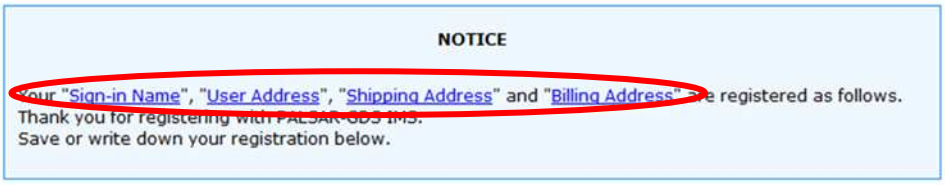
NOTICE
Your "Sign-in Name", "User Address", "Shipping Address" and "Billing Address" are registered as follows.
Thank you for registering with PALSAR-SDS IMS.
Save or write down your registration below.

Fig. 2.2.2-11 [NOTICE] of [Online User Registration Complete]

By pushing [OK] button, the display returns to the top screen of [ASTER/PALSAR Unified Search].

2.3. Login

2.3.1. Login as a User of [ASTER GDS] User

Select ASTER GDS [Login] of [Top] of [ASTER/PALSAR Unified Search].

ASTER/PALSAR Unified Search
Contact Us | Japanese
Product Search
Login
User Registration
Search/Order
Documents
ASTER/PALSAR Unified Search Site User's Manual
ASTER Link
ASTER Science
ASTER GDS
ASTER GDEM
ASTER Data Distribution
ASTER GDS User Guide
PALSAR Link
PALSAR GDS
PALSAR GDS User Guide
Others
Japan Space Systems Earth Remote Sensing Division
You can search and order the ASTER images and the PALSAR images by common search conditions.
Search/Order
In order to view the PALSAR mosaic image in the background of the map, you need to sign in to ASTER GDS or ASTER/PALSAR Unified Search Site before pushing "Search/Order" button. You can sign in from the following.
Unified Search : Login User Registration
Information
Notification of system maintenance (2013/3/18)
PALSAR's archived scene search and product order through ASTER/PALSAR Unified Search and PALSAR GDS website are unavailable due to system maintenance during the following period.
From: 0:00 a.m, March 27, 2013
To: 5:00 a.m, April 1, 2013 (UTC)
ASTER/PALSAR Unified Search site
ASTER/PALSAR Unified Search site has been released. (2012/07/30)
- The simultaneous retrieval of ASTER data and PALSAR data is available.
- When placing an order, the unified search site jumps to the ordering screen of ASTER GDS and
What's New
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Fig. 2.3.1-1 [Login] of [ASTER GDS]

Login as [ASTER GDS].

For more information, visit URL shown below and see [User Certification].

http://ims.aster.ersdac.jspacesystems.or.jp/ims/html/Help/HelpMenu_j.html

Login with the user account of [ASTER GDS] is required for making order of ASTER data products. Login as a user of [ASTER GDS] is also required to show mosaic layers on the map of [ASTER/PALSAR Unified Search].

Fig. 2.3.1-2 ASTER GDS User Certification

2.3.2. Login as a user of [ASTER/PALSAR Unified Search]

Select [Login] link on [Top] of [ASTER/PALSAR Unified Search].

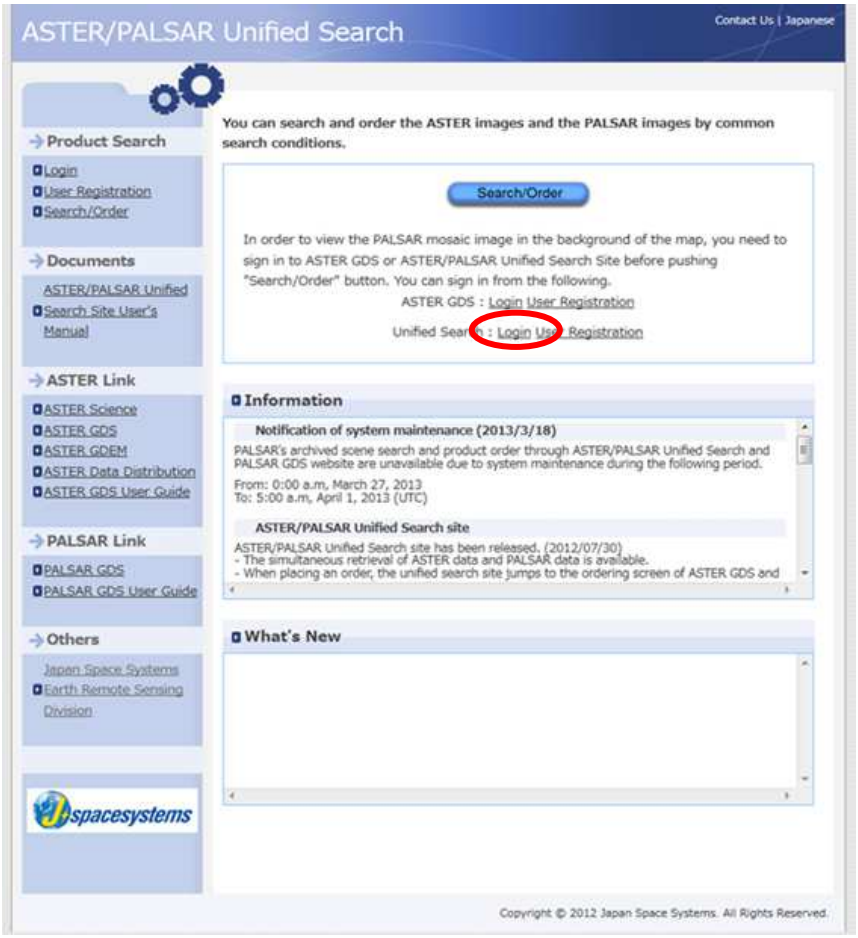
ASTER/PALSAR Unified Search
Contact Us | Japanese
Product Search
Login
User Registration
Search/Order
Documents
ASTER/PALSAR Unified Search Site User's Manual
ASTER Link
ASTER Science
ASTER GDS
ASTER GDEM
ASTER Data Distribution
ASTER GDS User Guide
PALSAR Link
PALSAR GDS
PALSAR GDS User Guide
Others
Japan Space Systems Earth Remote Sensing Division
You can search and order the ASTER images and the PALSAR images by common search conditions.
Search/Order
In order to view the PALSAR mosaic image in the background of the map, you need to sign in to ASTER GDS or ASTER/PALSAR Unified Search Site before pushing "Search/Order" button. You can sign in from the following.
ASTER GDS : Login User Registration
Unified Search : Login User Registration
Information
Notification of system maintenance (2013/3/18)
PALSAR's archived scene search and product order through ASTER/PALSAR Unified Search and PALSAR GDS website are unavailable due to system maintenance during the following period.
From: 0:00 a.m, March 27, 2013
To: 5:00 a.m, April 1, 2013 (UTC)
ASTER/PALSAR Unified Search site
ASTER/PALSAR Unified Search site has been released. (2012/07/30)
- The simultaneous retrieval of ASTER data and PALSAR data is available.
- When placing an order, the unified search site jumps to the ordering screen of ASTER GDS and
What's New
Copyright © 2012 Japan Space Systems. All Rights Reserved.

Fig. 2.3.2-1 Select [Login] Link on [Top] of [ASTER/PALSAR Unified Search]

Login on [User Certification] of [ASTER/PALSAR Unified Search]. Login with the user account of [ASTER/PALSAR Unified Search] is required for making order PALSAR products. Login as a user of [ASTER/PALSAR Unified Search] is required to show mosaic layers on the map of [ASTER/PALSAR Unified Search].

The screen of [Login] and its details are shown below.

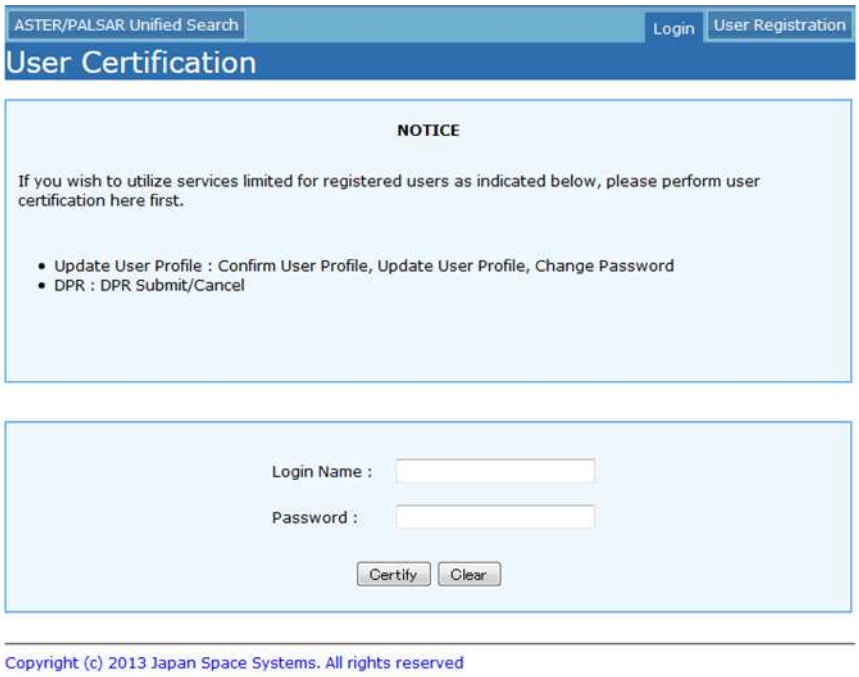
ASTER/PALSAR Unified Search
Login
User Registration
User Certification
NOTICE
If you wish to utilize services limited for registered users as indicated below, please perform user certification here first.
• Update User Profile : Confirm User Profile, Update User Profile, Change Password
• DPR : DPR Submit/Cancel
Login Name :
Password :
Certify
Clear
Copyright (c) 2013 Japan Space Systems. All rights reserved

Fig. 2.3.2-2 [Login] of [ASTER/PALSAR Unified Search]

Table 2.3.2-1 Contents of [Login]

No.	Content	Description	Input Value
1	Login Name	Login Name set at user registration application is input.	Required
2	Password	Input the password set for user registration application or the password modified after user registration.	Required

Input Login Name and Password and click [Certify] button. Whether the input Login Name and Password are matched, it is confirmed. While, all the input items are clear by clicking [Clear] button.

While Login is succeeded, [Top] of [ASTER/PALSAR Unified Search] would be displayed. When login is failed, the error message of [Invalid Login Name or Password] appears as shown below. In this case, retype correct Login Name and Password.

Fig. 2.3.2-3 [Login] screen (Case of User Certification Failure)

2.3.3. Available Service after User Registration

Some services are added on Side Menu of [Top] of [ASTER/PALSAR Unified Search] after users logged in.

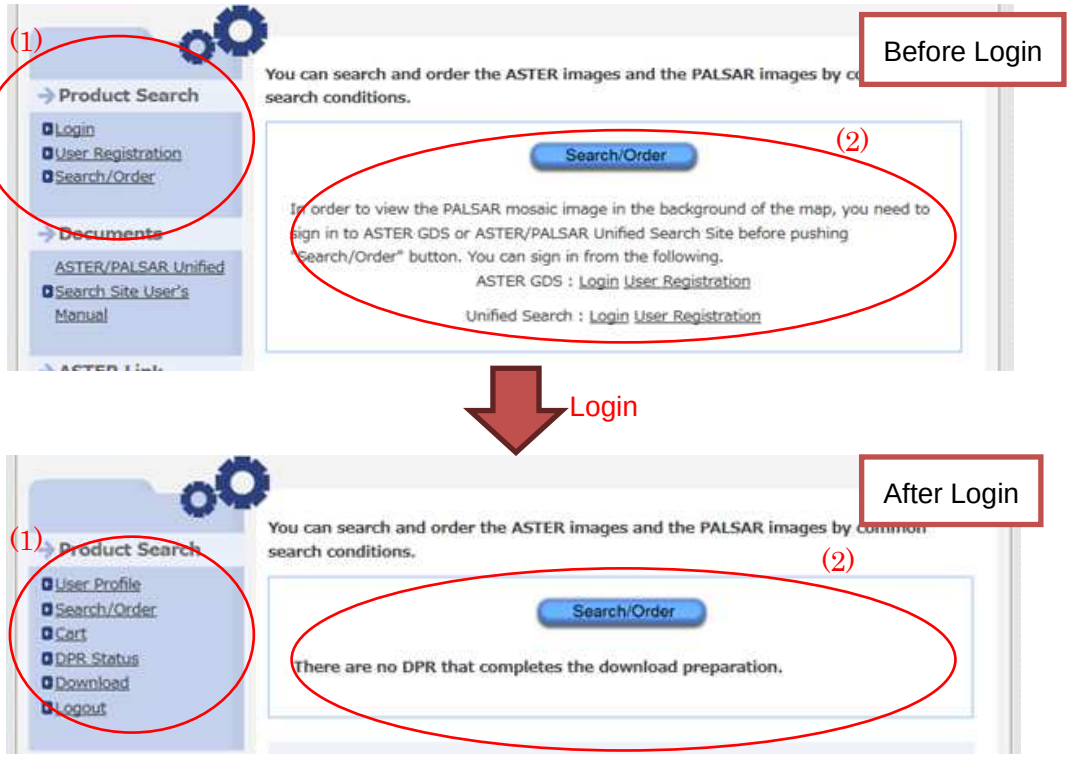
(1)
Product Search
Login
User Registration
Search/Order
Documents
ASTER/PALSAR Unified Search Site User's Manual
You can search and order the ASTER images and the PALSAR images by co
search conditions.
(2)
Search/Order
In order to view the PALSAR mosaic image in the background of the map, you need to sign in to ASTER GDS or ASTER/PALSAR Unified Search Site before pushing "Search/Order" button. You can sign in from the following.
ASTER GDS : Login User Registration
Unified Search : Login User Registration
Before Login
Login
(1)
Product Search
User Profile
Search/Order
Cart
DPR Status
Download
Logout
You can search and order the ASTER images and the PALSAR images by
search conditions.
(2)
Search/Order
There are no DPR that completes the download preparation.
After Login

Fig. 2.3.3-1 Screens of [Top] of [ASTER/PALSAR Unified Search]
Before and After Login

The contents of the top screens before and after Login are shown below.

Table 2.3.3-1 Contents on [Top] of [ASTER/PALSAR Unified Search]
Before or After Login

Content	Description before Login	Description after Login
Side Menu Link (Search/Order)	Login User Registration	User information Product search / Order

	Product search / Order	Cart DPR Status Download Logout
Search/Order Button	Link to [Login] screen and [User Registration] screen of each of [ASTER GDS] and [ASTER/PALSAR Unified Search]	Number of orders after completing the preparations for download (Case of 1 or more orders) Link to ASTER Online distribution site or PALSAR Online distribution site.

Menu items displayed on header of each screen before and after Login differ as well.

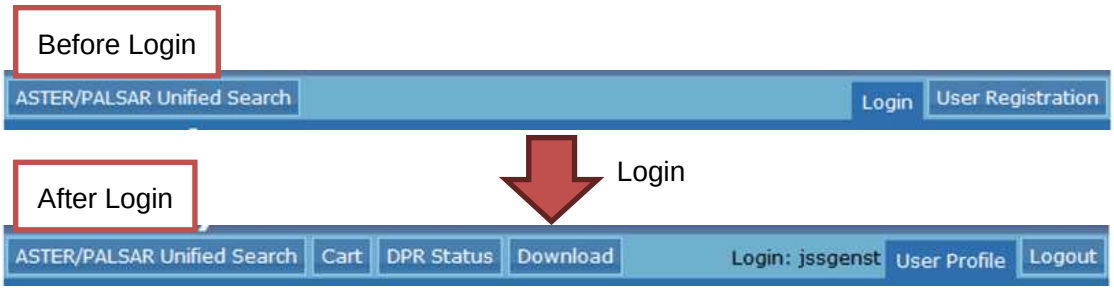

Fig. 2.3.3-2 Header of Each Screen Before and After Login

Contents of header of each screen before and after Login are shown below.

Table 2.3.3-2 Contents on [Top] of [ASTER/PALSAR Unified Search] Before or After Login

Content before Login	Content after Login
ASTER/PALSAR Unified Search site (See 2.5) Login (See 2.3.2) User Registration (See to 2.2.2)	[ASTER/PALSAR Unified Search] (See 2.5) Cart (See 2.8.2.1) DPR Status (See 2.9) Download Login Name under Login User information (See to 2.4) Logout (See 2.3.4)

In case of login to the user account of ASTER GDS Search site, there is no change in the contents of [ASTER/PALSAR Unified Search].

2.3.4. Logout

Users can logout when they click [Logout] of each screen of [ASTER/PALSAR Unified Search].

2.4. Confirm and Update User Registration Information

2.4.1. Confirm User Registration Information

During login in [ASTER/PALSAR Unified Search], users can check their own user information on [User Profile Confirmation] by clicking [Side Menu]of [Top] or every header of scenes of [ASTER/PALSAR Unified Search].

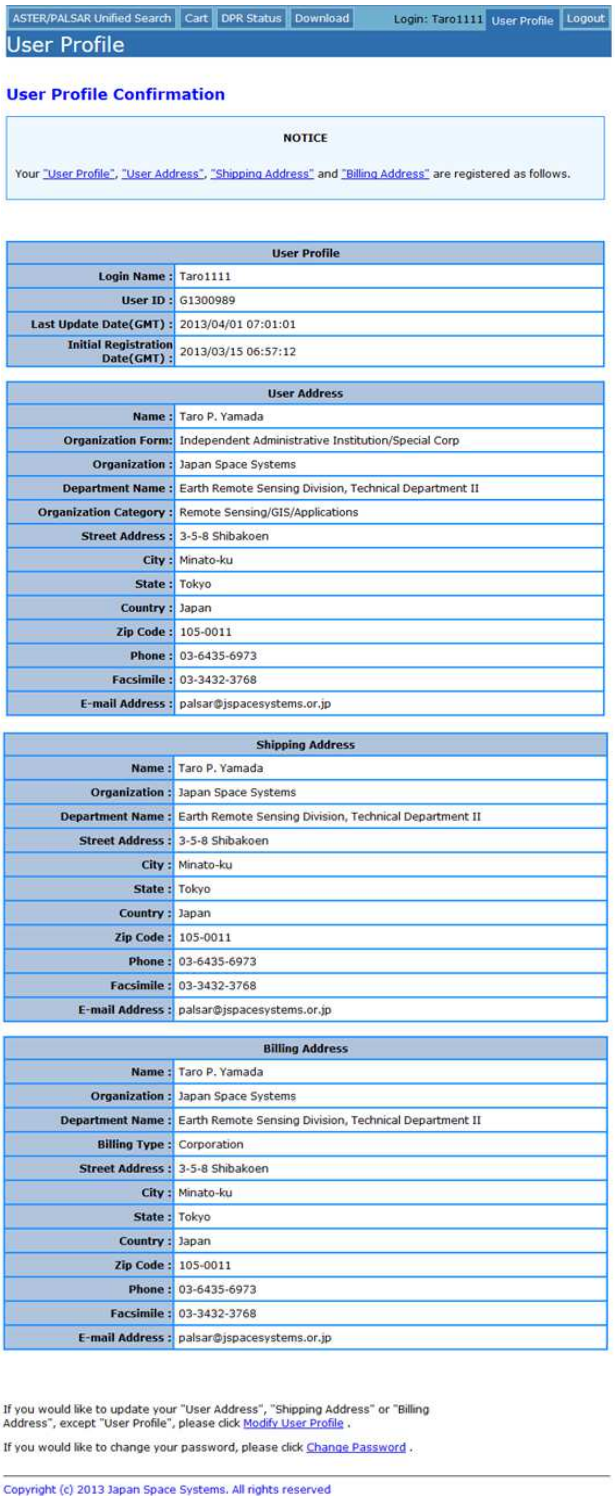
ASTER/PALSAR Unified Search
Cart
DPR Status
Download
Login: Taro1111
User Profile
Logout
User Profile
User Profile Confirmation
NOTICE
Your "User Profile", "User Address", "Shipping Address" and "Billing Address" are registered as follows.
User Profile
Login Name : Taro1111
User ID : G1300989
Last Update Date(GMT) : 2013/04/01 07:01:01
Initial Registration Date(GMT) : 2013/03/15 06:57:12
User Address
Name : Taro P. Yamada
Organization Form: Independent Administrative Institution/Special Corp
Organization : Japan Space Systems
Department Name : Earth Remote Sensing Division, Technical Department II
Organization Category : Remote Sensing/GIS/Applications
Street Address : 3-5-8 Shibakoen
City : Minato-ku
State : Tokyo
Country : Japan
Zip Code : 105-0011
Phone : 03-6435-6973
Facsimile : 03-3432-3768
E-mail Address : palsar@jspacesystems.or.jp
Shipping Address
Name : Taro P. Yamada
Organization : Japan Space Systems
Department Name : Earth Remote Sensing Division, Technical Department II
Street Address : 3-5-8 Shibakoen
City : Minato-ku
State : Tokyo
Country : Japan
Zip Code : 105-0011
Phone : 03-6435-6973
Facsimile : 03-3432-3768
E-mail Address : palsar@jspacesystems.or.jp
Billing Address
Name : Taro P. Yamada
Organization : Japan Space Systems
Department Name : Earth Remote Sensing Division, Technical Department II
Billing Type : Corporation
Street Address : 3-5-8 Shibakoen
City : Minato-ku
State : Tokyo
Country : Japan
Zip Code : 105-0011
Phone : 03-6435-6973
Facsimile : 03-3432-3768
E-mail Address : palsar@jspacesystems.or.jp
If you would like to update your "User Address", "Shipping Address" or "Billing Address", except "User Profile", please click Modify User Profile .
If you would like to change your password, please click Change Password .
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Fig. 2.4.1-1 Screen of [User Profile Confirmation]

Users of [ASTER GDS] can check their own user information on [ASTER GDS]. For the user registration of [ASTER GDS], follow the similar procedure in [ASTER GDS].

2.4.2. Modify User Profile

Click [Modify User Profile] at the bottom of [User Profile Confirmation] to modify the user information.

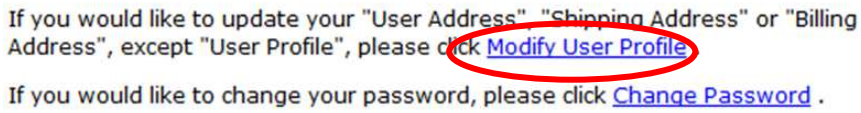
If you would like to update your "User Address", "Shipping Address" or "Billing Address", except "User Profile", please click Modify User Profile.
If you would like to change your password, please click Change Password .

Fig. 2.4.2-1 Link to [Modify User Profile] screen

ASTER/PALSAR Unified Search
Cart
DPR Status
Download
Login: Taro1111
User Profile
Logout
User Profile
Modify User Profile
NOTICE
You can modify your "User Address", "Shipping Address" and "Billing Address" information below. Please make changes where necessary.
When completed, please click the "Modify" button.
User Address
Name * : Taro P . Yamada (Taro P. Yamada)
Organization Form* : Independent Administrative Institution/Special Corp
Organization * : Japan Space Systems (Engineering Department, ABC, Inc.)
Department Name : Earth Remote Sensing Division, Technical Department (Earth Remote Sensing Division, Technical Department II)
Organization Category * : Remote Sensing/GIS/Applications
Street Address * : 3-5-8 Shibakoen
City * : Minato-ku (Minato-ku)
State * : Tokyo (Tokyo)
Country * : Japan
Zip Code * : 105-0011 (105-0011)
Phone * : 03-6435-6973 (03-6435-6973)
Facsimile : 03-3432-3768 (03-3432-3768)
E-mail Address * : palsar@jspacesystems.or.jp (palsar@jspacesystems.or.jp)
Copy From Shipping Address
Copy From Billing Address

Fig. 2.4.2-2 Screen of [Modify User Profile] ①

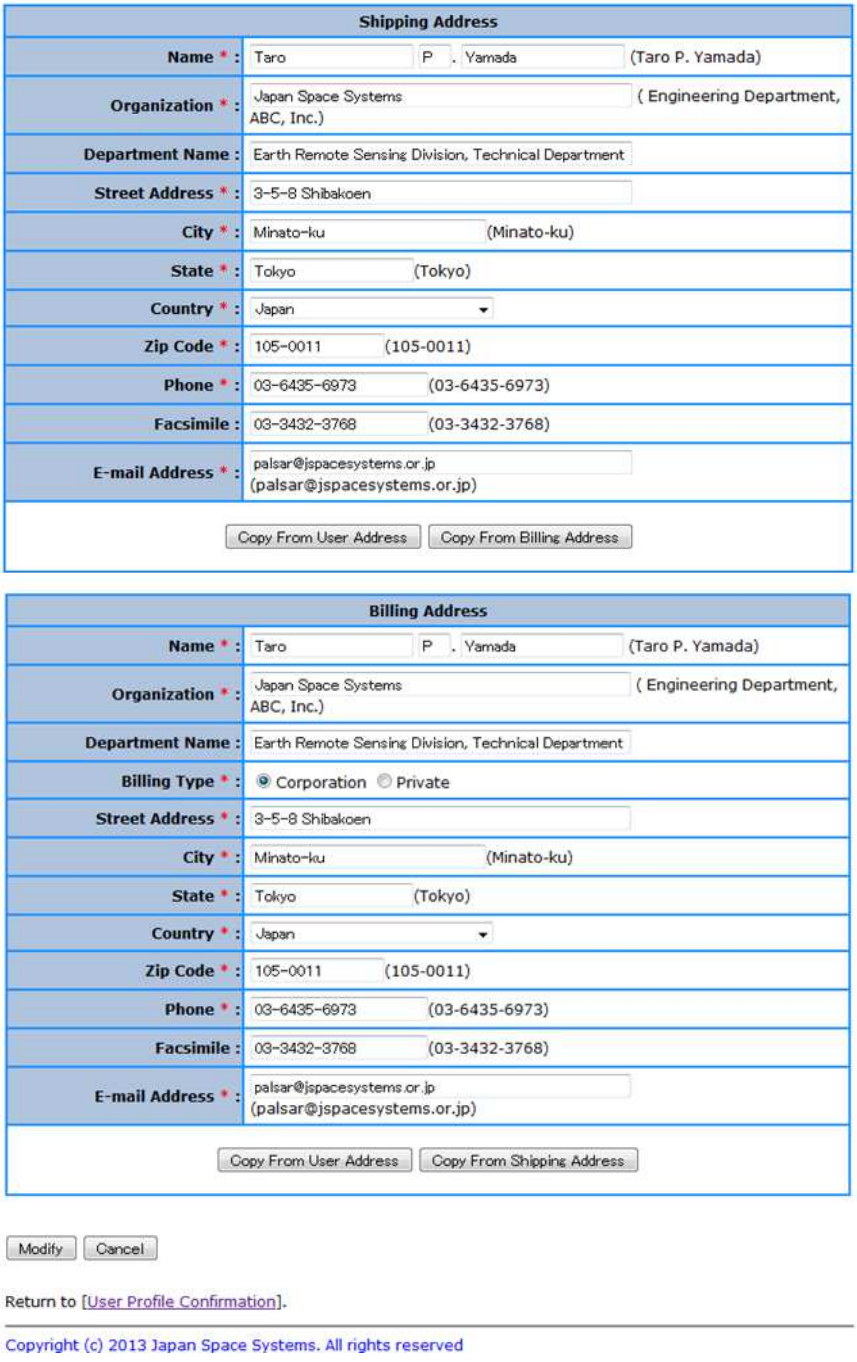
Shipping Address
Name * : Taro P . Yamada (Taro P. Yamada)
Organization * : Japan Space Systems (Engineering Department, ABC, Inc.)
Department Name : Earth Remote Sensing Division, Technical Department
Street Address * : 3-5-8 Shibakoen
City * : Minato-ku (Minato-ku)
State * : Tokyo (Tokyo)
Country * : Japan
Zip Code * : 105-0011 (105-0011)
Phone * : 03-6435-6973 (03-6435-6973)
Facsimile : 03-3432-3768 (03-3432-3768)
E-mail Address * : palsar@jspacesystems.or.jp (palsar@jspacesystems.or.jp)
Copy From User Address
Copy From Billing Address
Billing Address
Name * : Taro P . Yamada (Taro P. Yamada)
Organization * : Japan Space Systems (Engineering Department, ABC, Inc.)
Department Name : Earth Remote Sensing Division, Technical Department
Billing Type * : Corporation Private
Street Address * : 3-5-8 Shibakoen
City * : Minato-ku (Minato-ku)
State * : Tokyo (Tokyo)
Country * : Japan
Zip Code * : 105-0011 (105-0011)
Phone * : 03-6435-6973 (03-6435-6973)
Facsimile : 03-3432-3768 (03-3432-3768)
E-mail Address * : palsar@jspacesystems.or.jp (palsar@jspacesystems.or.jp)
Copy From User Address
Copy From Shipping Address
Modify
Cancel
Return to [User Profile Confirmation].
Copyright (c) 2013 Japan Space Systems. All rights reserved

Fig. 2.4.2-3 Screen of [Modify User Profile] ②

On [Modify User Profile], users can change their own all information except Login Names, and Passwords. Users can change their own Passwords on [Change Password].

In each item, input alphanumeric character in single-byte character as examples in backets: (). The item with * mark is required.

By clicking a link to each item listed on the top of [NOTICE], it jumps to the each item.

NOTICE
You can modify your "User Address", "Shipping Address" and "Billing Address" information below. Please make changes where necessary.
When completed, please click the "Modify" button.

Fig. 2.4.2-4 Screen of [Modify User Profile]・[NOTICE]

Contents of Modify User Profile screen are explained below.

<User Address>

Users can change [User Address]. In a content which needs to modify, input alphanumeric character in single-byte character as examples in backets: (). The item with * mark is required except only middle name of [Name].

Click either [Copy from Shipping Address] or [Copy from Billing Address] to copy each input value of the same content from each input field.

Contents of [User Address] and input field details are shown below.

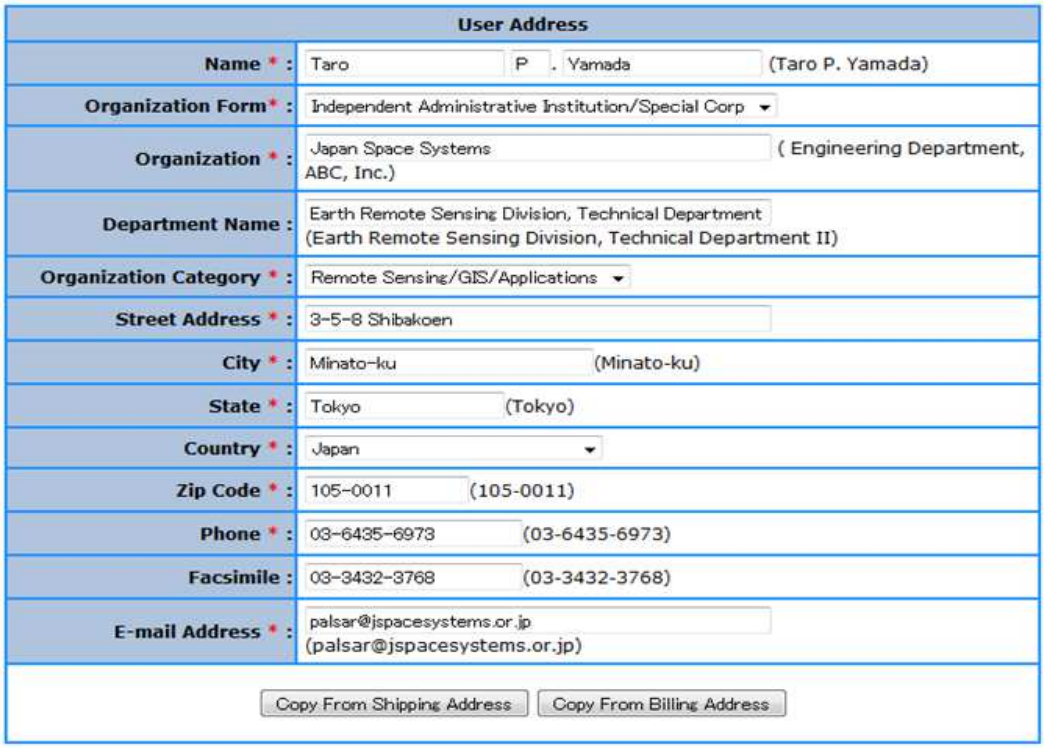
User Address
Name * : Taro P . Yamada (Taro P. Yamada)
Organization Form* : Independent Administrative Institution/Special Corp
Organization * : Japan Space Systems (Engineering Department, ABC, Inc.)
Department Name : Earth Remote Sensing Division, Technical Department (Earth Remote Sensing Division, Technical Department II)
Organization Category * : Remote Sensing/GIS/Applications
Street Address * : 3-5-8 Shibakoen
City * : Minato-ku (Minato-ku)
State * : Tokyo (Tokyo)
Country * : Japan
Zip Code * : 105-0011 (105-0011)
Phone * : 03-6435-6973 (03-6435-6973)
Facsimile : 03-3432-3768 (03-3432-3768)
E-mail Address * : palsar@jspacesystems.or.jp (palsar@jspacesystems.or.jp)
Copy From Shipping Address
Copy From Billing Address

Fig. 2.4.2-5 Input Field of [User Address]

Table 2.4.2-1 Contents of [User Address]

No.	Content	Description	Condition
1	Name (Alphabet)	First name and middle initial name , and surname by text input	Required of first name and surname input. Optional about middle name input. First name and surname of 18 or less characters by single-byte character A letter for middle name
2	Organization Form	Select from a pull-down menu of [Organization Form] list	Required
3	Organization	Text input	Required 200 more characters
4	Department	Text input	Optional 200 more characters
5	Organization Category	Select from a pull-down menu of [Organization Category] list	Required
6	Country	Select from a pull-down menu of [Country] list	Required
7	State	Text input	Required 19 more characters
8	City	Text input	Required 29 more characters
9	Street Address	Text input	Required 95 more characters
10	Zip Code	Text input	Required 15 more characters
11	Phone	Text input	Required 21 more characters
12	FAX	Text input	Optional 21 more characters
13	E-mail	Text input	Required 49 or more characters

<Shipping Address>

Users can change [Shipping Address]. In a content which needs to modify, input alphanumeric character in single-byte character as examples in backets: (). The items with * mark is required except only middle name of [Name].

Click either [Copy from User Address] or [Copy from Billing Address] to copy each input value of the same content from each input field.

Contents of [Shipping Address] and input field details are shown below.

Shipping Address
Name * : Taro P. Yamada (Taro P. Yamada)
Organization * : Japan Space Systems (Engineering Department, ABC, Inc.)
Department Name : Earth Remote Sensing Division, Technical Department
Street Address * : 3-5-8 Shibakoen
City * : Minato-ku (Minato-ku)
State * : Tokyo (Tokyo)
Country * : Japan
Zip Code * : 105-0011 (105-0011)
Phone * : 03-6435-6973 (03-6435-6973)
Facsimile : 03-3432-3768 (03-3432-3768)
E-mail Address * : palsar@jspacesystems.or.jp (palsar@jspacesystems.or.jp)
Copy From User Address
Copy From Billing Address

Fig. 2.4.2-6 Input field of [Shipping Address]

Table 2.4.2-2 Contents of [Shipping Address]

No.	Content	Description	Condition
1	Name (Alphabet)	First name and middle initial name , and surname by text input	Required of first name and surname input. Optional about middle name input. First name and surname of 18 or less characters by single-byte character A letter for middle name
2	Organization	Text input	Required 200 or less characters
3	Department	Text input	Optional 200 or less characters
4	Country	Select from a pull-down menu of [Country] list	Required

No.	Content	Description	Condition
5	State	Text input	Required 19 or less characters
6	City	Text input	Required 29 or less characters
7	Street Address	Text input	Required 95 or less characters
8	Zip Code	Text input	Required 15 or less characters
9	Phone	Text input	Required 200 or less characters
10	FAX	Text input	Optional 21 or less characters
11	E-mail	Text input	Required 49 or less characters

<Billing Address>

Users can change [Billing Address]. In a content which needs to modify, input alphanumeric characters in single-byte character as examples in backets (). The item with * mark is required except only middle name input of [Name].

Click either [Copy from User Address] or [Copy from Shipping Address] to copy each input value of the same content from each input field.

Contents of [Billing Address] and input field details are shown below.

Billing Address
Name * : Taro P . Yamada (Taro P. Yamada)
Organization * : Japan Space Systems (Engineering Department, ABC, Inc.)
Department Name : Earth Remote Sensing Division, Technical Department
Billing Type * : Corporation Private
Street Address * : 3-5-8 Shibakoen
City * : Minato-ku (Minato-ku)
State * : Tokyo (Tokyo)
Country * : Japan
Zip Code * : 105-0011 (105-0011)
Phone * : 03-6435-6973 (03-6435-6973)
Facsimile : 03-3432-3768 (03-3432-3768)
E-mail Address * : palsar@jspacesystems.or.jp (palsar@jspacesystems.or.jp)
Copy From User Address
Copy From Shipping Address
Modify
Cancel
Return to [User Profile Confirmation].
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Fig. 2.4.2-7 Input field of [Billing Address]

Table 2.4.2-3 Contents of [Billing Address]

No.	Content	Description	Condition
1	Name (Alphabet)	First name and middle initial name , and surname by text input	Required of first name and surname input. Optional about middle name input. First name and surname of 18 or less characters by single-byte character A letter for middle name
2	Organization	Text input	Required 200 or less characters
3	Department	Text input	Optional 200 or less characters
4	Billing Type	Choose [Corporation] or [Private] by radio button	Required
5	Country	Select from a pull-down menu of [Country] list	Required
6	State	Text input	Required 19 or less characters

No.	Content	Description	Condition
7	City	Text input	Required 29 or less characters
8	Street Address	Text input	Required 95 or less characters
9	Zip Code	Text input	Required 15 or less characters
10	Phone	Text input	Required 21 or less characters
11	FAX	Text input	Optional 21 or less characters
12	E-mail	Text input	Required 49 or less characters

<Confirm Input Contents of Modify>

To confirm input items of User Registration, click [Modify] at the bottom of screen after confirmation of the input items. In case there are no problems in the input items, the entered User Registration information is registered and [Modify User Profile Result] is displayed.

On the other hand, if there is an error in input item, message in red appears under input field. In that case, re-enter the input item in accordance with the message and click [Modifyt] again.

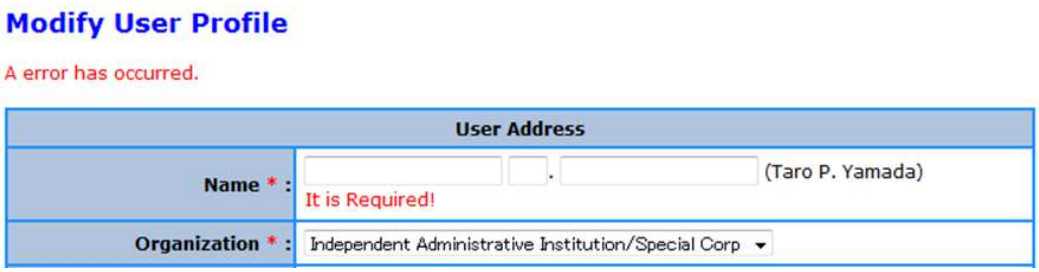

Fig. 2.4.2-8 Example of errors of input items

<Cancel Modify User Profile>

In order to cancel Modify User Profile, click [Cancel] at the bottom of the [Modify User Profile]. After cancelling Modify User Profile, the screen moves back to [User Profile Confirmation] .

<Confirm Modify User Profile Confirmation>

In case performing modify user profile correctly, [Modify User Profile Confirmation] appears. At the [Modify User Profile Result], the contents of user profile modified by a user can be confirmed.

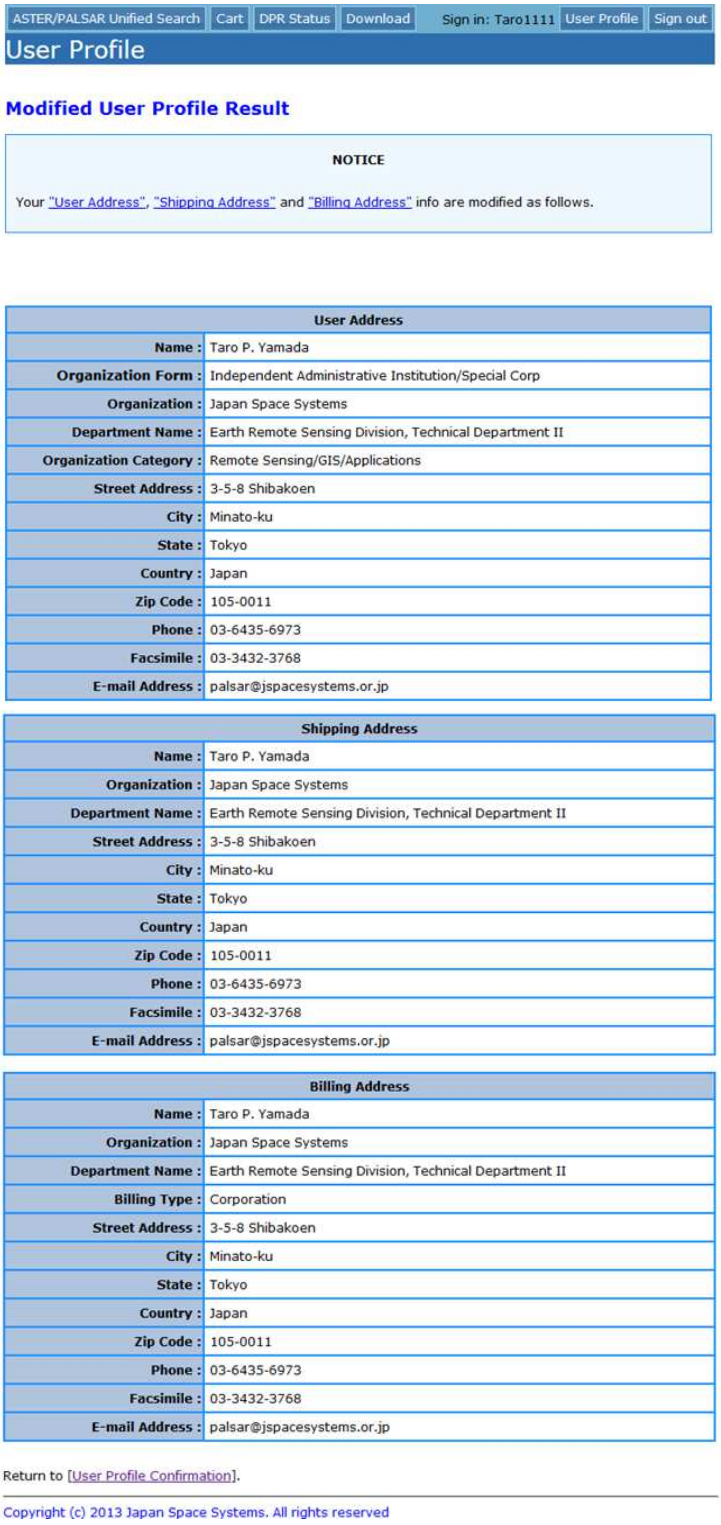
ASTER/PALSAR Unified Search
Cart
DPR Status
Download
Sign in: Taro1111
User Profile
Sign out
User Profile
Modified User Profile Result
NOTICE
Your "User Address", "Shipping Address" and "Billing Address" info are modified as follows.
User Address
Name : Taro P. Yamada
Organization Form : Independent Administrative Institution/Special Corp
Organization : Japan Space Systems
Department Name : Earth Remote Sensing Division, Technical Department II
Organization Category : Remote Sensing/GIS/Applications
Street Address : 3-5-8 Shibakoen
City : Minato-ku
State : Tokyo
Country : Japan
Zip Code : 105-0011
Phone : 03-6435-6973
Facsimile : 03-3432-3768
E-mail Address : palsar@jspacesystems.or.jp
Shipping Address
Name : Taro P. Yamada
Organization : Japan Space Systems
Department Name : Earth Remote Sensing Division, Technical Department II
Street Address : 3-5-8 Shibakoen
City : Minato-ku
State : Tokyo
Country : Japan
Zip Code : 105-0011
Phone : 03-6435-6973
Facsimile : 03-3432-3768
E-mail Address : palsar@jspacesystems.or.jp
Billing Address
Name : Taro P. Yamada
Organization : Japan Space Systems
Department Name : Earth Remote Sensing Division, Technical Department II
Billing Type : Corporation
Street Address : 3-5-8 Shibakoen
City : Minato-ku
State : Tokyo
Country : Japan
Zip Code : 105-0011
Phone : 03-6435-6973
Facsimile : 03-3432-3768
E-mail Address : palsar@jspacesystems.or.jp
Return to [User Profile Confirmation].
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Fig. 2.4.2-9 [Modify User Profile Confirmation]

After clicking a link to each item listed in [NOTICE] field at the top of [Online User Registration] , the link jumps to the each item and then displays it.

Fig. 2.2.2-10 [Modify User Profile Confirmation] • [NOTICE]

Moreover, if clicking [User Profile Confirmation], [Modify User Profile Confirmation] screen is shown again.

For your information, this procedure of [Modify User Profile] is available only for [ASTER/PALSAR Unified Search]. For the user registration of [ASTER GDS], follow the similar procedure in [ASTER GDS].

2.4.3. Change Password

In order to change password for the account of [ASTER/PALSAR Unified Search], click [Change Password] at the bottom of User Profile Confirmation screen. Change Password screen appears.

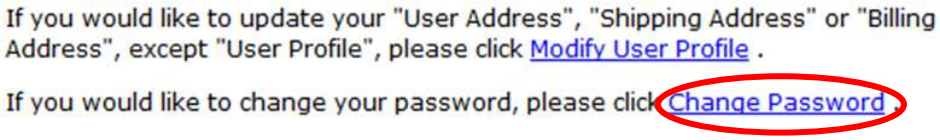
If you would like to update your "User Address", "Shipping Address" or "Billing Address", except "User Profile", please click Modify User Profile .
If you would like to change your password, please click Change Password .

Fig. 2.4.3-1 Link of [Change Password]

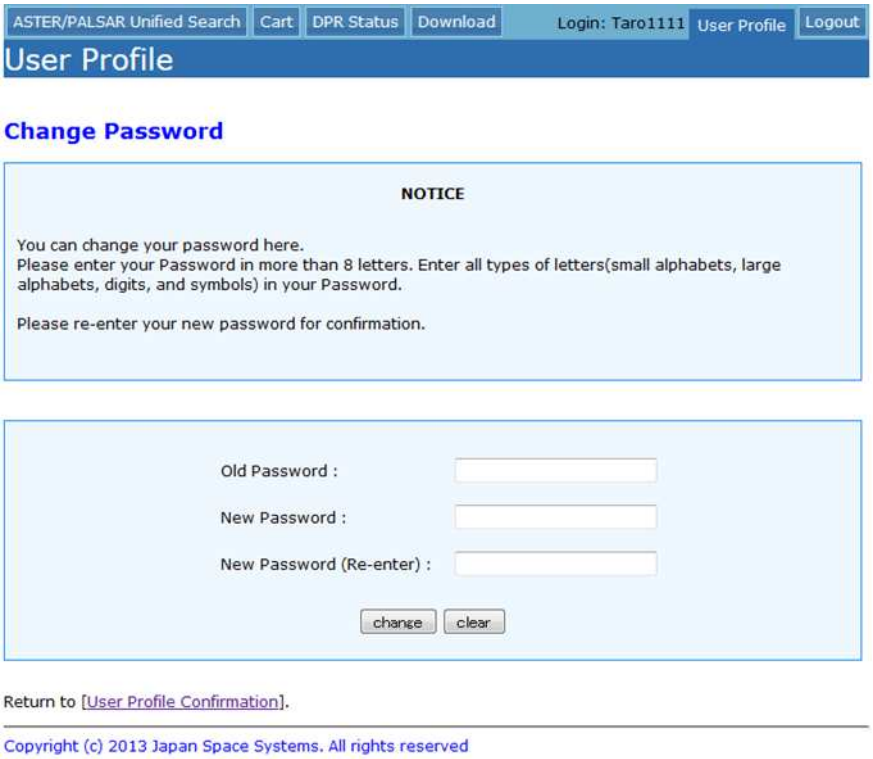
ASTER/PALSAR Unified Search
Cart
DPR Status
Download
Login: Taro1111
User Profile
Logout
User Profile
Change Password
NOTICE
You can change your password here.
Please enter your Password in more than 8 letters. Enter all types of letters(small alphabets, large alphabets, digits, and symbols) in your Password.
Please re-enter your new password for confirmation.
Old Password :
New Password :
New Password (Re-enter) :
change
clear
Return to [User Profile Confirmation].
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Fig. 2.4.3-2 [Change Password]

Input the current Password in [Old Password], input a new password in [New Password], and input the new password again in [New Password (Re-enter)]. They are required to change a password.

Create a new Password in 8 and more alphabets and /or digits. It has to be composed by following characters by 1 and more characters from each letter type: (1) alphabet (small letter), (2) alphabet (capital letter), (3) numbers, and (4) symbol.

Table 2.4.3-1 Contents of [Change Password]

No.	Content	Description	Condition
1	[Old Password]	Type the current Password	Required
2	[New Password]	Type a new Password	Required 8 and more alphabets and/or digits by 1 and more characters from each letter type: (1) alphabet (small letter), (2) alphabet (large letter), (3) number, and (4) symbol
3	[New Password (Re-enter)]	Same contents as No.2	Same contents as No.2

To confirm registered information, click [Change] at the bottom of screen after confirmation of the input items.

In case there are no problems in the input items, the contents are registered, and [Change Password] is displayed. On the other hand, if each of input items has problems, warning messages in red appear under input items. In that case, check them, input and click [Change] again.

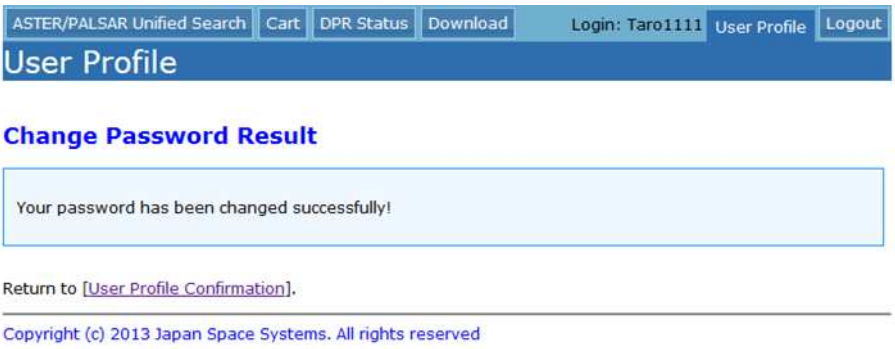


Fig. 2.4.3-3 [Change Password Result] (Succeeded)

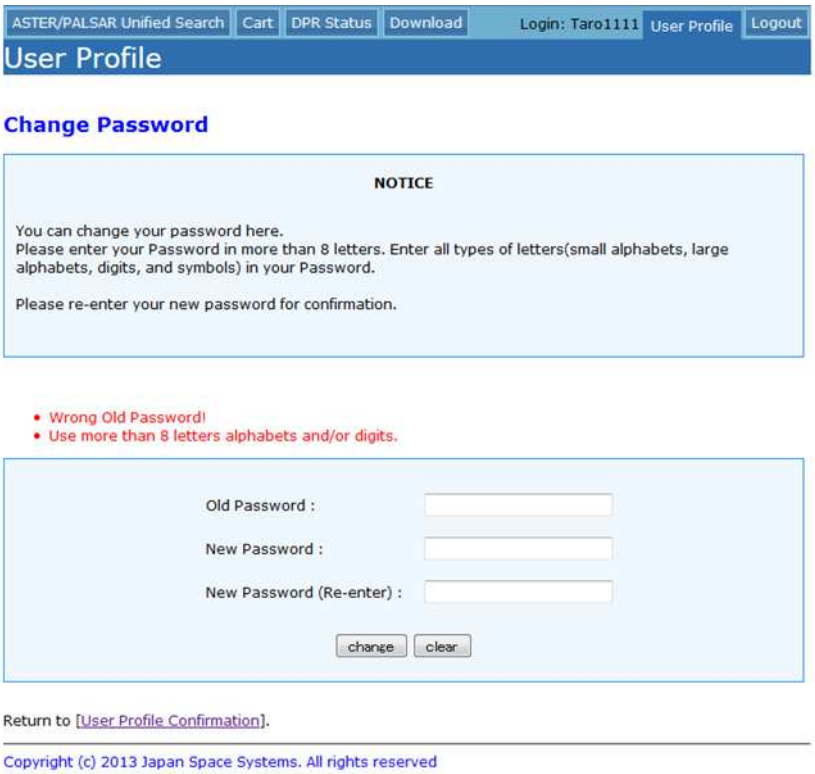

ASTER/PALSAR Unified Search
Cart
DPR Status
Download
Login: Taro1111
User Profile
Logout
User Profile
Change Password
NOTICE
You can change your password here.
Please enter your Password in more than 8 letters. Enter all types of letters(small alphabets, large alphabets, digits, and symbols) in your Password.
Please re-enter your new password for confirmation.
Wrong Old Password!
Use more than 8 letters alphabets and/or digits.
Old Password :
New Password :
New Password (Re-enter) :
change
clear
Return to [User Profile Confirmation].
Copyright (c) 2013 Japan Space Systems. All rights reserved

Fig. 2.4.3-4 Screen of [Change Password] (Failed)

For your information, this procedure of [Change Password] is available only for [ASTER/PALSAR Unified Search]. For the user registration of [ASTER GDS], follow the

similar procedure in [ASTER GDS].

2.5. Display ASTER/PALSAR Unified Search screen

To search ASTER and PALSAR data products, confirm search result, and add the selected products to cart, click [Search/Order] on the top page of [ASTER/PALSAR Unified Search] or click [Search/Order] on side menu.

ASTER/PALSAR Unified Search
Contact Us | Japanese
Product Search
Login
Search/Order
Documents
ASTER/PALSAR Unified Search Site User's Manual
ASTER Link
ASTER Science
ASTER GDS
ASTER GDEM
ASTER Data Distribution
ASTER GDS User Guide
PALSAR Link
PALSAR GDS
PALSAR GDS User Guide
Others
Japan Space Systems
Earth Remote Sensing Division
You can search and order the ASTER images and the PALSAR images by common search conditions.
Search/Order
In order to view the PALSAR mosaic image in the background of the map, you need to sign in to ASTER GDS or ASTER/PALSAR Unified Search Site before pushing "Search/Order" button. You can sign in from the following.
ASTER GDS : Login User Registration
Unified Search : Login User Registration
Information
Notification of system maintenance (2013/3/18)
PALSAR's archived scene search and product order through ASTER/PALSAR Unified Search and PALSAR GDS website are unavailable due to system maintenance during the following period.
From: 0:00 a.m, March 27, 2013
To: 5:00 a.m, April 1, 2013 (UTC)
ASTER/PALSAR Unified Search site
ASTER/PALSAR Unified Search site has been released. (2012/07/30)
- The simultaneous retrieval of ASTER data and PALSAR data is available.
- When placing an order, the unified search site jumps to the ordering screen of ASTER GDS and
What's New
Copyright © 2012 Japan Space Systems. All Rights Reserved.

Fig. 2.5-1 Click [Search/Order]

[ASTER/PALSAR Unified Search] appears to search and order products. Outline of this page is described below.

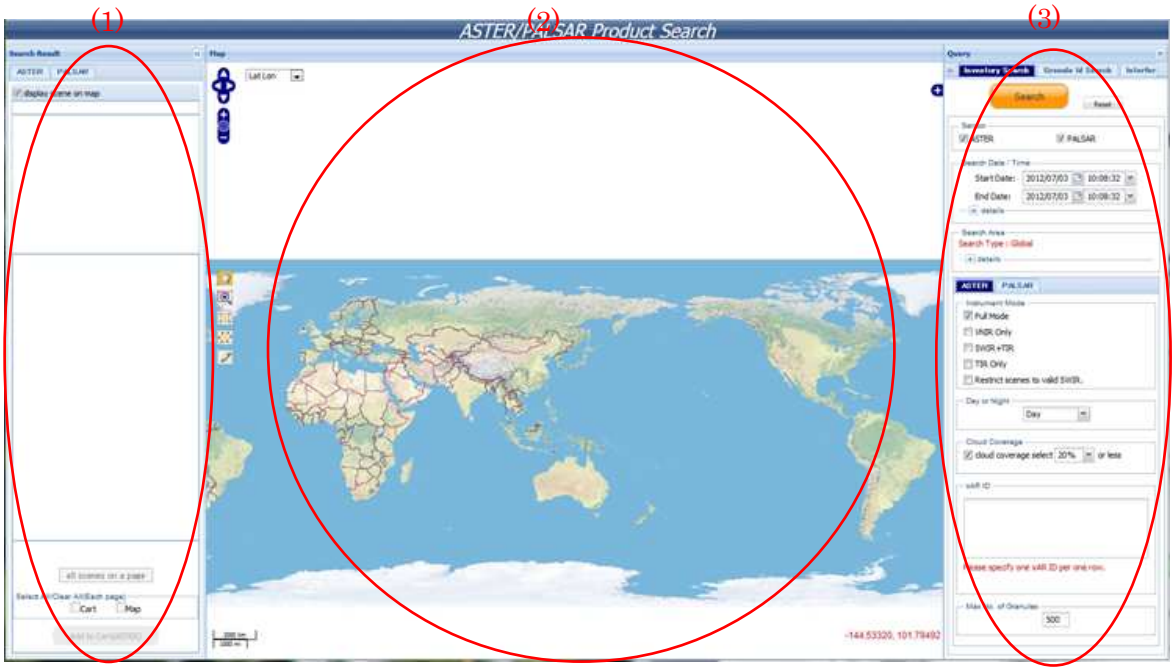


Fig. 2.5-2 [ASTER/PALSAR Unified Search] screen

Table 2.5-1 Contents of [ASTER/PALSAR Unified Search] screen

No.	Content	Description
(1)	Filed to show search result	Search result is displayed. button switches display or non-display.
(2)	Map area	Display a map
(3)	Field to input search conditions	Display query button switches display or non-display.

2.6. Search Data Products

Start search for ASTER and PALSAR data products on the unified search site. For switching search method, use the tab

on top of the field to input search conditions.

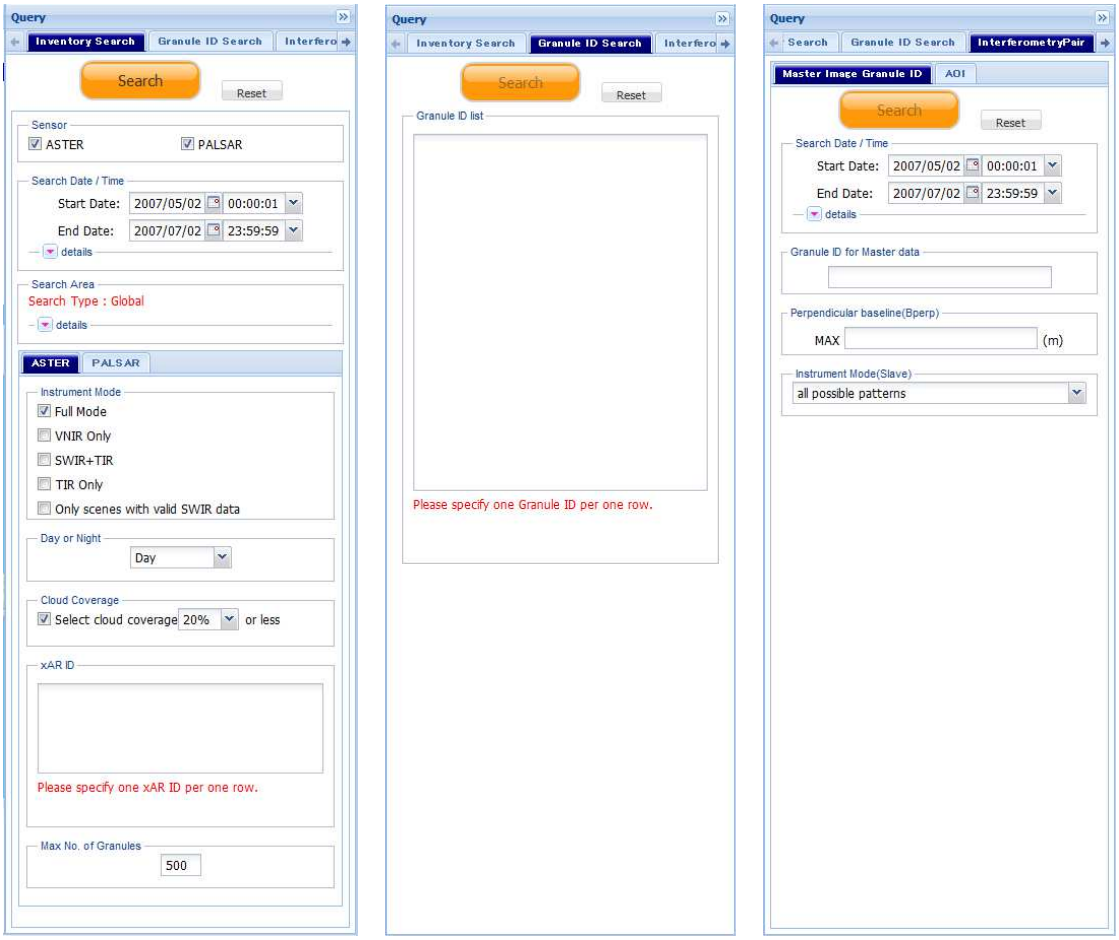


Fig. 2.6-1 Inventory Search tab, Granule ID Search tab, and Interferometry Pair Search tab from the left

Each search method is explained below.

2.6.1. Perform Inventory Search

Select [Inventory Search] tab in the field to input search conditions. Inventory Search tab consists of 3 sections; the first section is for common search conditions, the second for ASTER-specific search conditions, and the third for PALSAR-specific search conditions.

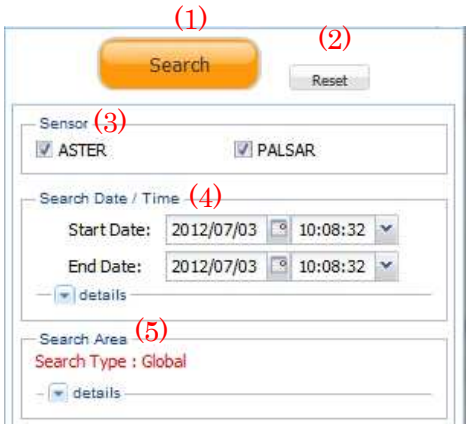


Fig. 2.6.1-1 Input Field of Common Search Conditions

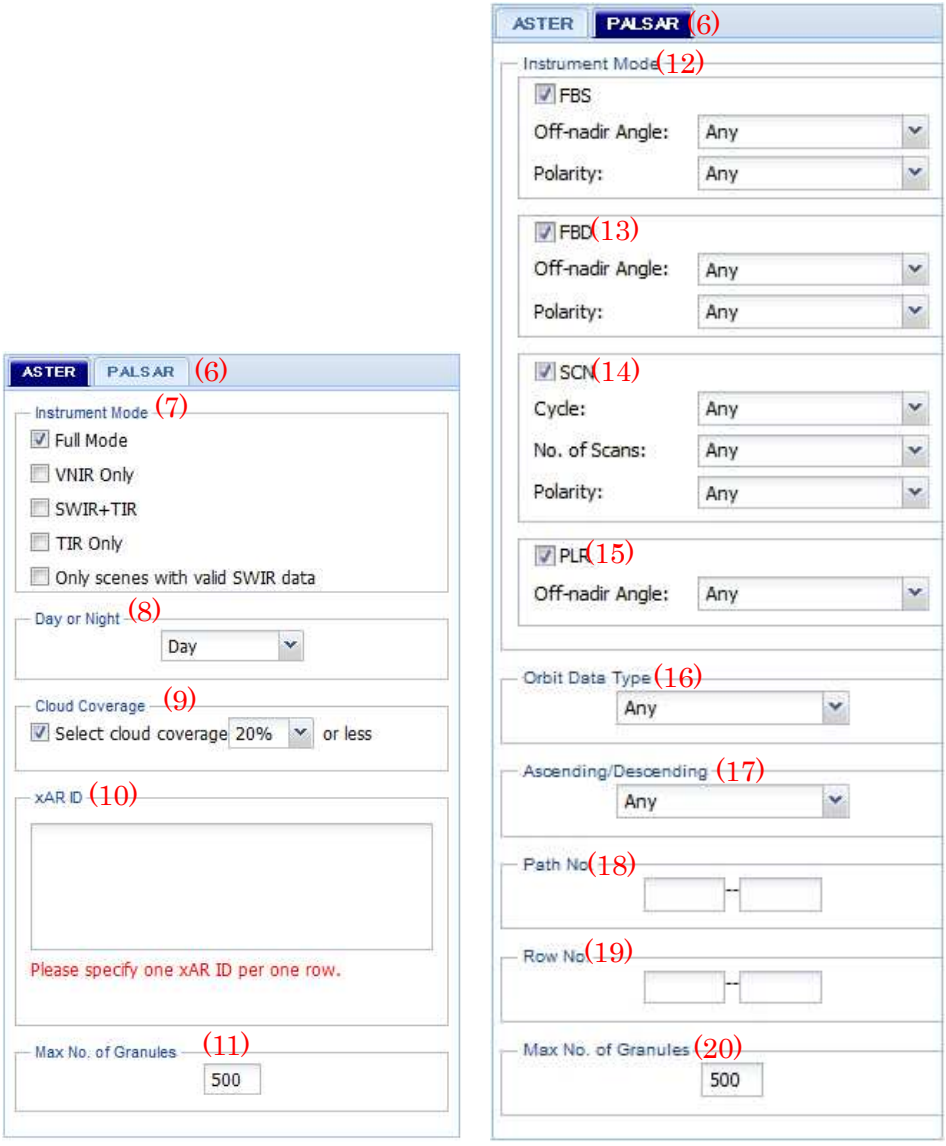


Fig. 2.6.1-2 Input Field of ASTER-Specific Search Conditions (Left),

Input Field of PALSAR-Specific Search Conditions (Right)

Table 2.6.1-1 Contents of Inventory Search Tab

No.	Content	Description
(1)	[Search] button	Search is performed under the specified search conditions.
(2)	[Reset] button	Search conditions return to default
(3)	Sensor	Sensor type is specified
(4)	Search Date/Time	Search period is set button shows the field to set detailed conditions.
(5)	Search Area	button shows the field to specify area by coordinates.
(6)	ASTER/PALSAR tab	Display the field of ASTER and PALSAR-specific search conditions are switched.
(7)	ASTER: Instrument mode	ASTER observation mode is specified.
(8)	ASTER: Day or Night	Day-time or night-time observation for ASTER is specified
(9)	ASTER: Cloud Coverage	Cloud amount for ASTER is specified
(10)	ASTER: xAR ID	ASTER's xAR ID is specified
(11)	ASTER: Max No. of Granules	Maximum number of ASTER scenes to be retrieved is set
(12)	PALSAR: FBS	Conditions for PALSAR Fine Beam Single Polarization (FBS) observation mode are specified
(13)	PALSAR: FBD	Conditions for PALSAR Fine Beam Dual Polarization (FBD) observation mode are specified
(14)	PALSAR: SCN	Conditions for PALSAR ScanSAR (SCN) observation mode are specified.
(15)	PALSAR: PLR	Conditions for PALSAR ScanSAR (SCN) observation mode are specified.

(16)	PALSAR: Orbit Data Type	PALSAR's orbit data type is specified.
(17)	PALSAR: Ascending/Descending	Orbital direction of PALSAR is specified
(18)	PALSAR: Path No.	PALSAR's path number is specified.
(19)	PALSAR: Row No.	PALSAR's row number is specified.
(20)	PALSAR: Max No. of Granules	Maximum number of PALSAR scenes to be retrieved is se.t

After setting each search condition and clicking [Search], data search in the specified conditions is performed. If both ASTER and PALSAR are selected in [Sensor] section, search for both ASTER and PALSAR data products is performed.

How to specify each search condition is explained below.

2.6.1.1. Set ASTER/PALSAR Common Search Conditions

Set the search conditions commonly used for ASTER and PALSAR.

Fig. 2.6.1.1-1 Input Field of ASTER/PALSAR Common Search Conditions

< Sensor >

Specify both ASTER and PALSAR or select one as target sensor.

< Search Date/Time >

Set the search period. Choose dates from calendar or directly enter the dates. When clicking [details], the field to set more details appears.

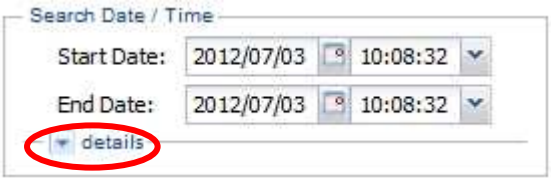


Fig. 2.6.1.1-2 Click [details]

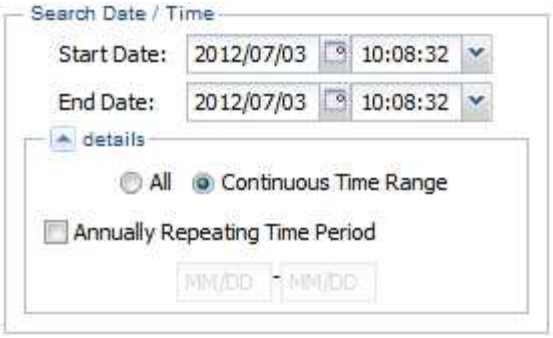


Fig. 2.6.1.1-3 Input Field of More Detailed Search Period

When [All] is selected, period is not reflected to search conditions.

When [Continuous Time Range] is selected, Start Date and End Date are required.

When [Annually Repeating Time Period] is checked, the specified interval of time (the same interval of time for each year during the specified period) is searched. Start and end dates for this interval of time period are required to input in the form of MM/DD. The relation between interval time's start/end date and search period's start/end date is described below.

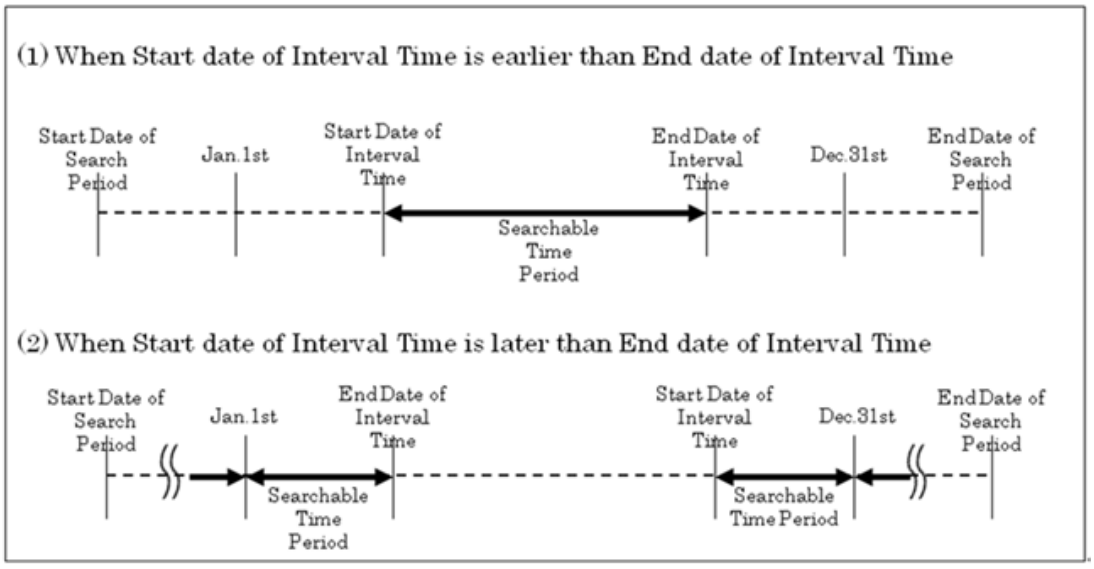

(1) When Start date of Interval Time is earlier than End date of Interval Time
Start Date of Search Period
Jan. 1st
Start Date of Interval Time
End Date of Interval Time
Dec. 31st
End Date of Search Period
Searchable Time Period
(2) When Start date of Interval Time is later than End date of Interval Time
Start Date of Search Period
Jan. 1st
End Date of Interval Time
Start Date of Interval Time
Dec. 31st
End Date of Search Period
Searchable Time Period
Searchable Time Period

Fig 2.6.1.1-4 Relation between Interval of Time and Search Period

< AOI>

AOI can be specified in rectangle or polygon on the map by a mouse. For more information about AOI see [3.5 Specify Search Area in Rectangle] and [3.6 Specify Search Area in Polygon].

AOI can be specified by coordinate values. Click [details] to display the field of specifying

AOI, and select one from [Global], [Rectangle], and [Polygon].

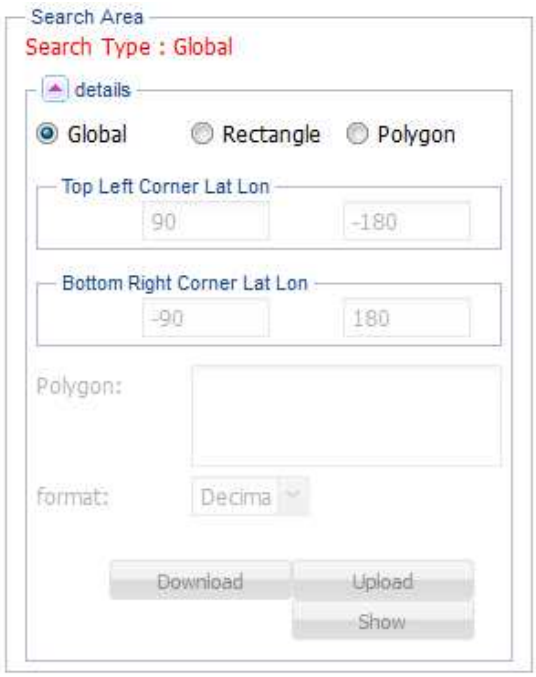


Fig. 2.6.1.1-5 Input Filed of Specifying AOI

Select an AOI type from [Global], [Rectangle], or [Polygon].

（a）Global

Search is performed globally.

（b）Rectangle

Input latitudes and longitudes of the rectangular search area in [Top Left Corner Lat Lon] and [Bottom Right Corner Lat Lon]. [Decimal Degree] or [Degree Min Sec] is selectable as input format.

Click [Show] button to display the AOI on the map.

（c）Polygon

Input latitude and longitude of each vertex of a polygon in [Polygon] field. Input a vertex per line, in the order of [latitude, longitude]. [Decimal Degree] or [Degree Min Sec] is selectable.

Information of the specified polygon can be downloaded and uploaded in KMZ format by

[Download] and [Upload].

The specified polygon can be displayed on the map by [Show].

2.6.1.2. Set Specific Search Conditions for ASTER

Select [ASTER] tab to set specific search conditions for ASTER. Only when [ASTER] is checked in [Sensor] field, it is possible to set search conditions on [ASTER] tab.

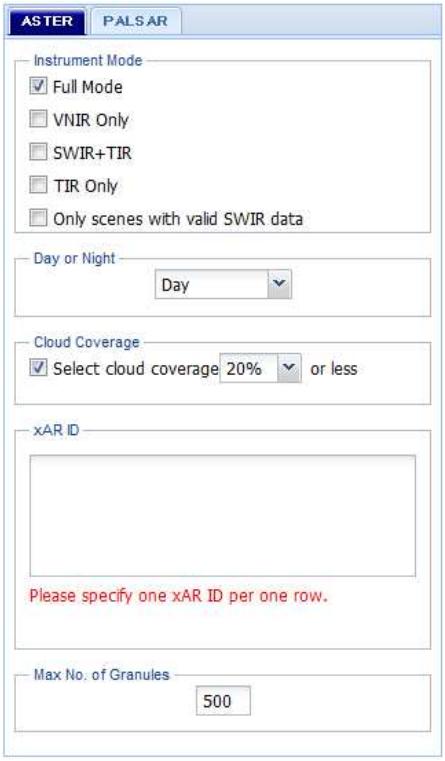


Fig. 2.6.1.2-1 Input Field of ASTER-Specific Search Conditions

< Observation Mode >

Select observation mode(s) from [Full Mode], [VNIR Only], [SWIR+TIR], [TIR Only], and [Only scenes with valid SWIR data[E1]]. More than one observation mode must be selected.

ASTER SWIR sensor has not been acquiring valid data since April 2007. When [Only scenes with valid SWIR data] is checked, a search is performed in the condition of [Full Mode] and [SWIR+TIR], and only the scenes observed before April 1, 2007 are retrieved.

For more information about ASTER observation modes, visit URL shown below.

http://www.science.aster.ersdac.jspacesystems.or.jp/jp/documnts/users_guide/part1/07_01.html

< Day or Night >

Specify day-time and night-time observation. [Day], [Night] and [Both] are selectable.

< Cloud Coverage >

Set cloud amount. Check [Select cloud coverage[E2]] and select cloud coverage in percentage from the pull-down menu. Specified percentage is for the whole scene, and scenes with cloud coverage of the specified percentage or less are retrieved. If [Select cloud coverage] is not checked, it is not reflected to the search condition.

<xAR ID>

Specify ASTER xAR ID. The scenes acquired with the specified xAR ID are retrieved. Input a xAR ID per line to search plural IDs.

< Max. No. of Result >

Specify the maximum number of granules to be retrieved for ASTER only. This number can be specified up to 500 and this is a mandatory search condition.

If the number of scenes shown in search result is over 500 scenes, narrow the search conditions and search again, meanwhile click [Display search result] on search result window. It lists the search result only scenes up to 500.

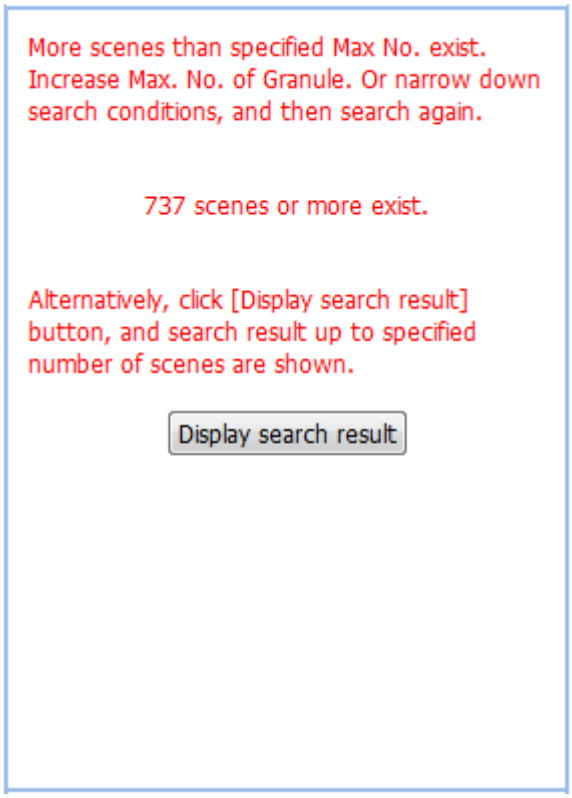

More scenes than specified Max No. exist.
Increase Max. No. of Granule. Or narrow down search conditions, and then search again.
737 scenes or more exist.
Alternatively, click [Display search result] button, and search result up to specified number of scenes are shown.
Display search result

Fig. 2.6.1.2-2 Case of Search Result Has over 500 Scenes

2.6.1.3. Set Specific Search Conditions for PALSAR

Select [PALSAR] tab to set specific search conditions for PALSAR. Only when [PALSAR] is checked in [Sensor] field, it is possible set search conditions on [PALSAR] tab.

Fig. 2.6.1.3-1 Input field of PALSAR-specific search conditions

< Instrument Mode >

Specify observation mode. [Fine Beam Single polarization (FBS)], [Fine Beam Dual polarization (FBD)], [Scan SAR (SCN)], and [Full polarization (PLR)] are selectable. More than one observation mode must be selected. Also, Off-nadir Angle, Polarity (FBS and FBD only), Cycle (SCN only) and No. of Scans (SCN only) can be specified for each observation mode.

< Orbit Data Type >

Select one orbit data type from [Any], [High Accuracy Orbit Data], [Determined Value],

[GPSR], and [Estimated Orbit]. (If [Any] is selected, orbit data type is not reflected to search conditions)

< Ascending/Descending >

Select orbital direction. Select one from [Any], [Ascending], and [Descending]. (While [Any] is selected, the orbital direction is not reflected to search conditions).

< Path No.>

Specify path number. Input positive integer number between 1 and 671 (While this field is blank, the path number is not reflected to search conditions).

< Row No.>

Specify row number. Input positive integer number between 1 and 720 (While this field is blank, the row number is not reflected to search conditions).

< Max. No. of Granules >

Specify the maximum number of scenes to be retrieved for PALSAR only. This number can be specified up to 500 and this is a mandatory search condition.

If the number of scenes shown in search result is over 500 scenes, narrow the search conditions and search again, meanwhile click [Display search result] on search result window. It lists the search result only scenes up to 500.

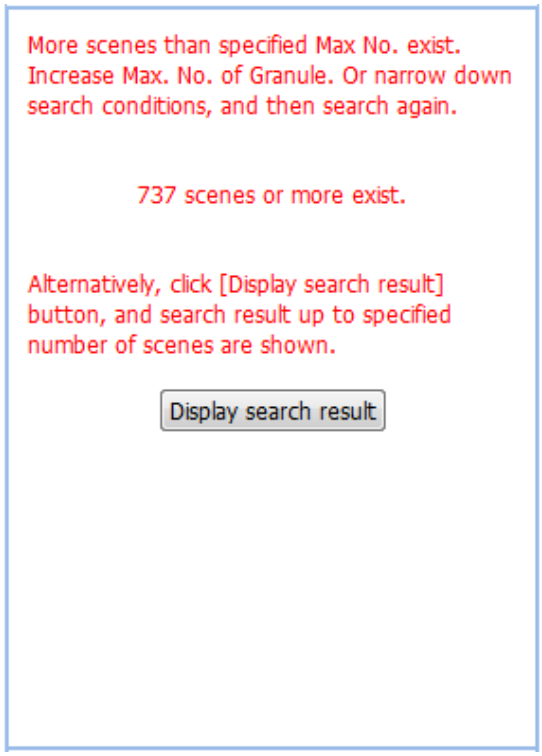

More scenes than specified Max No. exist.
Increase Max. No. of Granule. Or narrow down search conditions, and then search again.
737 scenes or more exist.
Alternatively, click [Display search result] button, and search result up to specified number of scenes are shown.
Display search result

Fig. 2.6.1.3-2 **Case of Search Result Has over 500 Scenes**

2.6.1.4. Start

Click [Search] to start a search under the specified conditions. Search result is shown on the Search Result window. For more information about Search Result, see [2.7 Confirm Data Product Search Result].

2.6.1.5. Reset Search Conditions

Click [Reset] and all the specified search conditions clear.

2.6.2. Search by Granule ID

Select [Granule ID Search] tab on [ASTER/PALSAR Unified Search]. The details of [Granule ID Search] window are described below.

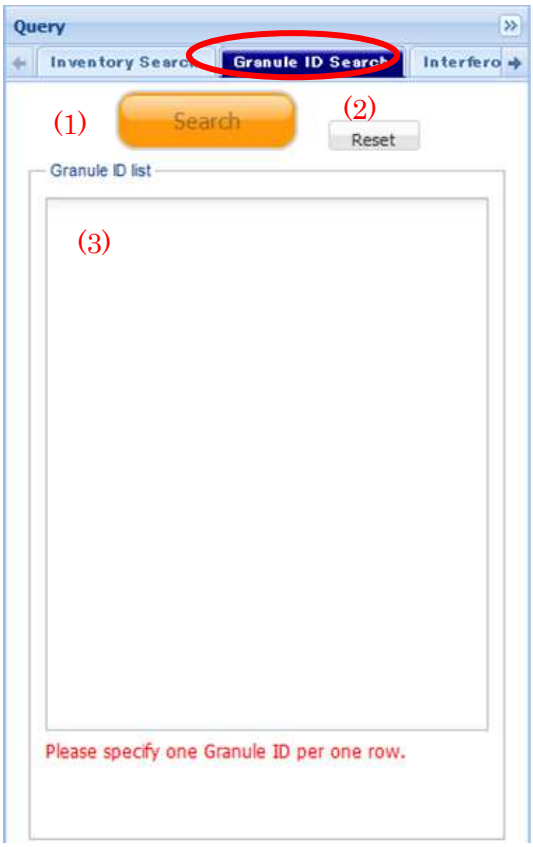


Fig. 2.6.2-1 [Granule ID Search Tab]

Table 2.6.2-1 Contents of [Granule ID Search Tab]

No.	Content	Description
(1)	[Search] button	Search with the specified granule ID is performed
(2)	[Reset] button	All the values input in the granule ID list field are deleted and made blank
(3)	granule ID list	Granule ID for search target is input

2.6.2.1. Specify Granule ID

Input granule ID to search in the Granule ID list field. Input a granule ID per line when specifying more than one ID. ASTER's granule ID and PALSAR's can be specified and searched simultaneously.

2.6.2.2. Search

Click [Search] to search the scene with the specified granule IDs. ASTER L1A scenes

are retrieved, even though the granule IDs of other level products are specified. Search result is shown on the Search Result window where order can be placed. For more information about Search Result, see [2.7 Confirm Data Product Search Result].

2.6.2.3. Reset Search Conditions

Click [Reset], and all the granule IDs input in the granule ID list clear.

2.6.3. Interferometry Pair

Select [Interferometry Pair] tab on [ASTER/PALSAR Unified Search].

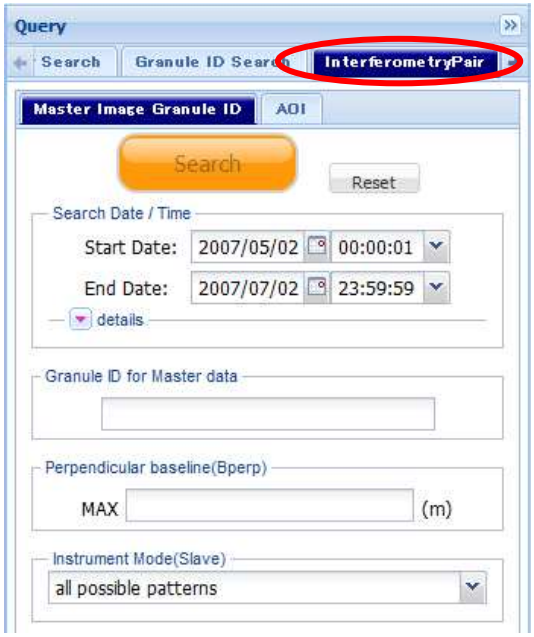


Fig. 2.6.3-1 [Interferometry Search Tab]

Two types of interferometry pair search are available: [Master Image Granule ID] and [AOI]. Click each tab to switch the methods. Interferometry pair search is effective only for PALSAR data products

2.6.3.1. Search Interferometry pair by Master Image Granule ID

Select [Master Image Granule ID].

Fig. 2.6.3.1-1 [Master Image Granule ID Search Tab]

Table 2.6.3.1-1 Contents of [Master Image Granule ID Search Tab]

No.	Content	Description
(1)	[Search] button	Search is performed under the specified search conditions
(2)	[Reset] button	Reset search conditions
(3)	Search Date/Time	Set search period
(4)	Granule ID for Master data	Input Granule ID as a master image
(5)	Perpendicular baseline	Maximum value of perpendicular base line is specified
(6)	Instrument Mode (Slave)	Select slave observation modes

< Search Period.>

For more information, see <Search Date/Time> of [2.6.1.1 Set ASTER/PALSAR Common Search Conditions].

< Granule ID as Master data >

Input granule ID as a master image. Data acquired in ScanSAR mode cannot be used because observation mode is out of Interferometry Pair search.

<Perpendicular baseline (Bperp)>

Specify the maximum value (absolute value) of the perpendicular baseline (Bperp) between the master image and slave image. Slave images with shorter Bperp than the specified value are retrieved.

<Slave Observation Modes>

Set the conditions on observation modes, which are the types of PALSAR's observation uniquely determined by combination of observation mode (FBS, FBD, PLR). ScanSAR is out of Interferometry Pair.

The following conditions are required for slave image to be retrieved by Interferometry Pair.

- Same off-nadir angle as the master image's
- At least one same polarity as the master image's

Interferometry pairs of different observation modes would be created because observation modes share same polarities each other. Slave observation modes can be selected by following rules.

- Select same observation mode as the master
- Select All[E3]: include all observation modes as well

2.6.3.2. Search Interferometry Pair by Specifying AOI

Select [AOI] tab.

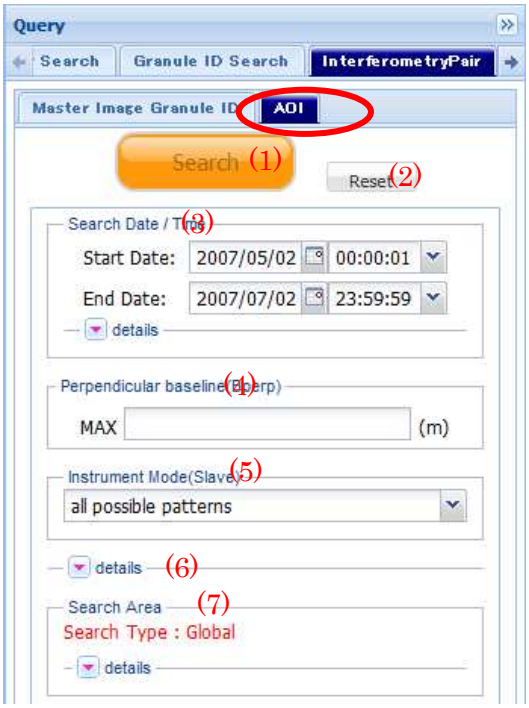


Fig. 2.6.3.2-1 [AOI Tab]

Table 2.6.3.2-1 Contents of [AOI Tab]

No.	Content	Description
(1)	[Search] button	Search under the specified search conditions
(2)	[Reset] button	Reset search conditions
(3)	Search Date / Time	Set search period
(4)	Perpendicular baseline (Bperp)	Specify Max. of Bperp
(5)	Instrument Mode (Slave)	Set maximum value of Bperp in meter
(6)	details	button shows the field to set detailed conditions
(7)	Search Area	button shows the field to specify AOI

< Search Period >

For more information, see <Search Date/Time> of [2.6.1.1 Set ASTER/PALSAR Common Search Conditions].

< Perpendicular baseline (Bperp)>

For more information, see < Perpendicular baseline > of [2.6.3.1 Search Interferometry Pair by Master Image Granule ID] for how to specify.

< Instrument Mode (Slave)>

For more information, see < Instrument Mode (Slave) > of [2.6.3.1 Search Interferometry Pair by Master Image Granule ID] for how to specify.

< Set Detailed Search Conditions by details Button >

For more information, see < Instrument Mode (Slave) > of [2.6.1.3 Search Interferometry Pair by Master Image Granule ID] for how to specify.

< Search Area >

For more information, see [3.5 Specify Search Area in Rectangle], [3.6 Specify Search Area in Polygon] and <Search Area> of [2.6.1.1 Specify Search ASTER/PALSAR Common Search Conditions].

2.6.3.3. Search

After specifying search conditions, click [Search] button to search under specified conditions of both [Master Image Granule ID] and [AOI]. Search result appears on the Search Result. Scenes on Search Result can be selected to be ordered. For more information about Search Result, see [2.6 Confirm Data Product Search Result]. Only in case of [AOI] search, however, scenes retrieved as search result cannot be put into cart. The search result can be downloaded as a list. For more information, see [2.6.11 Download AOI Search Result].

2.6.3.4. Reset Search Conditions

Click [Reset] to return all the search conditions.

2.7. Confirm Data Product Search Result

Scenes are shown up as the search result on Search Result of [ASTER/PALSAR Unified Search]. Scenes' coverage are displayed on the map. Search results for ASTER and PALSAR appear on different tabs. Display of ASTER or PALSAR search results can be switched by tabs.

Structures of Search Result field are described below.

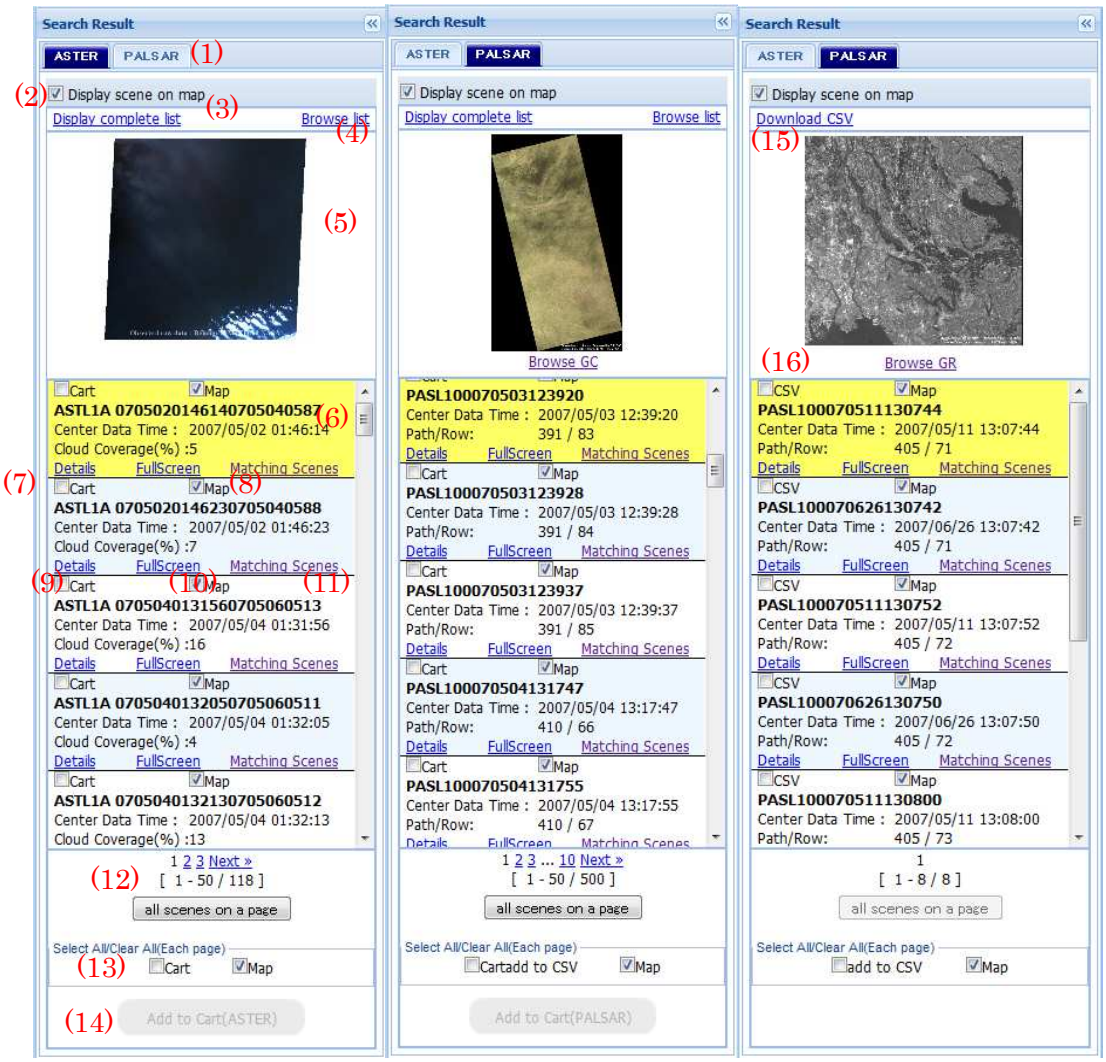


Fig. 2.7-1: Left: ASTER Search Result tab, Middle: PALSAR Search Result tab, Right: AOI Interferometry Search Result Tab

Table 2.7-1 Contents of Search Result Tab

No.	Content	Description
(1)	ASTER/PALSAR tab	Display search results for ASTER and PALSAR
(2)	Display scene on map	Check to display all coverage of ASTER and PALSAR scenes in search result on the map
(3)	Display complete list	Click to show the complete list of product search result on a new tab
(4)	Browse list	Click show browse list on a new tab
(5)	Browse Image	Click to show a large browse image

		on a new window. While browse image doesn't exist, a message of [No Browse Image] appears.
(6)	Product Information	Product Information
(7)	Cart	Check to put into Cart
(8)	Map	Check to display a coverage of the scene
(9)	Details	Show more information about each scene
(10)	Full Screen	Show whole information about each scene
(11)	Matching Scenes	Search other scenes under the scene conditions
(12)	Paging	Displayed page of search result list is switched by clicking [<<Previous], [Next>>], or page number. 50 scenes are on one page If search result has more than 50 scenes, its list is divided and every 50 scenes are listed on a page. All scenes are displayed on a page when clicking [all scenes on a page].
(13)	Select All/Clear All (Each page)	[Cart] Check to select all scenes to Cart [Map] Check to show all scenes on the map
(14)	Add to Cart	Add selected scenes to Cart
(15)	Download CSV	Click to download scenes' information AOI Interferometry Search only
(16)	CSV	Check to make scene on a downloadable CSV file

2.7.1. Select Scenes on Search Result

Click the field of each scene in search result list, and background color changes to yellow and its corresponding scene coverage on the map is highlighted in yellow. Click the coverage of a scene on the map, and field color of the corresponding scene in the Search Result is highlighted in yellow.

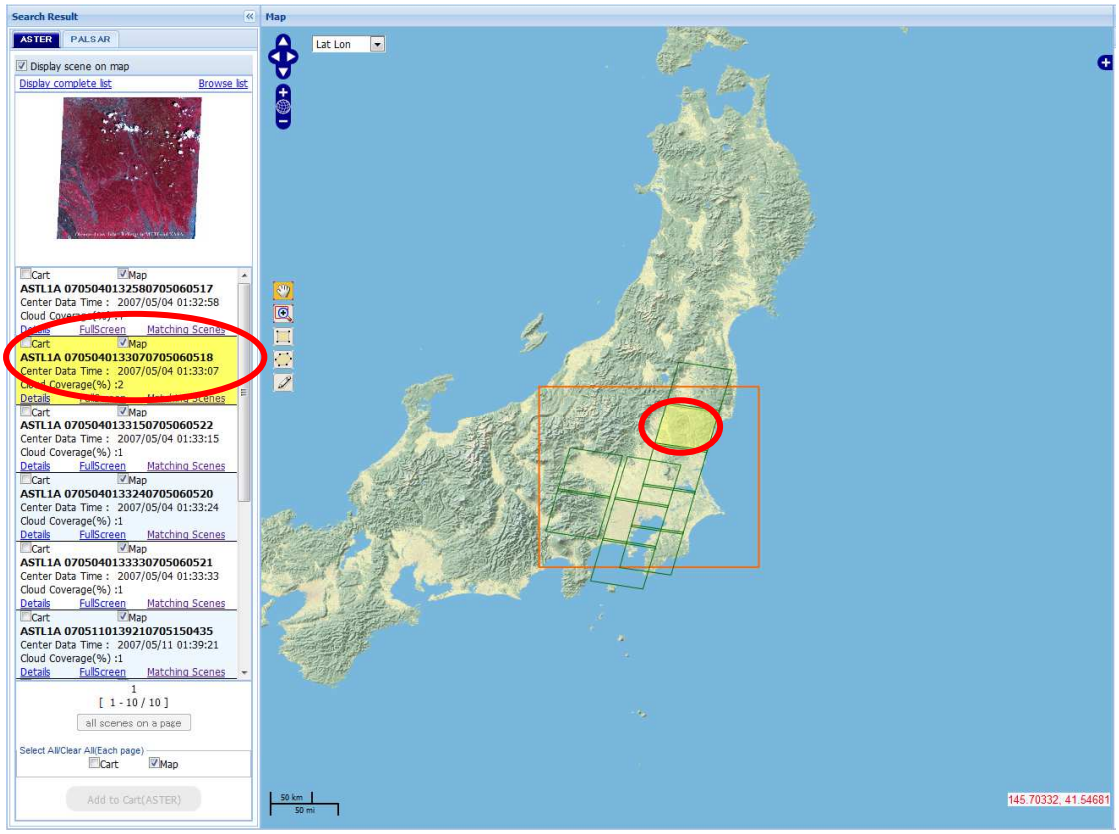


Fig. 2.7.1-2 Highlight Selected Scene

2.7.2. Display Browse Image

When a scene which has browse image is selected, its browse image is displayed on top of Search Result list. When the browse image is clicked, the browse image in the original size shows up on a new window.

ASTER search result shows the browse images of below sensors depending on observation mode.

Table 2.7.2-1 ASTER Browse Image Types for Display

Observation Mode	Sensor
Full Mode	VNIR
VNIR Only	VNIR
SWIR + TIR	SWIR
TIR Only	TIR

There are 5 types of PALSAR browse images shown below. For L1.0 Virtual scenes produced before early February 2010, Quick Look is available as Browse Image, while Browse is available for L1.0 Virtual scenes produced after early February, 2010. For higher level products, images such as Browse Ortho, Browse GC, and Browse GR are available according to products.

Click the name of image to show description about each image.

Table 2.7.2-2 PALSAR Browse Image Types

Image type	Quality	Description
Quick Look	Low	Image for confirmation, which was produced in very simple method Projection: Geo-reference
Browse	Middle	Image for confirmation, which was produced in Browse-creating program Projection: p Geo-reference
Browse Ortho	Middle	Image for confirmation, which was produced in the process of generating ortho-product Projection: Geo-coded (ortho)
Browse GC	High	Image for confirmation, which was produced in the process of generating Geo-Coded product Projection: Geo-coded
Browse GR	High	Image for confirmation, which was produced in the process of generating Geo-Reference product Projection: Geo-reference

2.7.3. Show Details of Search Result

Click [Details] in the list of search result to switch to the detailed display of the product. Click [Simple] to go back to simple display.

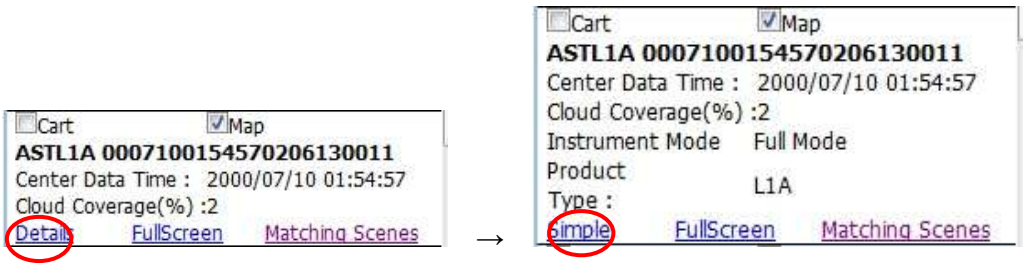


Fig. 2.7.3-1 Detailed Display/Simple Display

2.7.4. Display/Non-Display Scenes on Map

Check [Map] in search result list to display the scene on map, and uncheck to non-display.

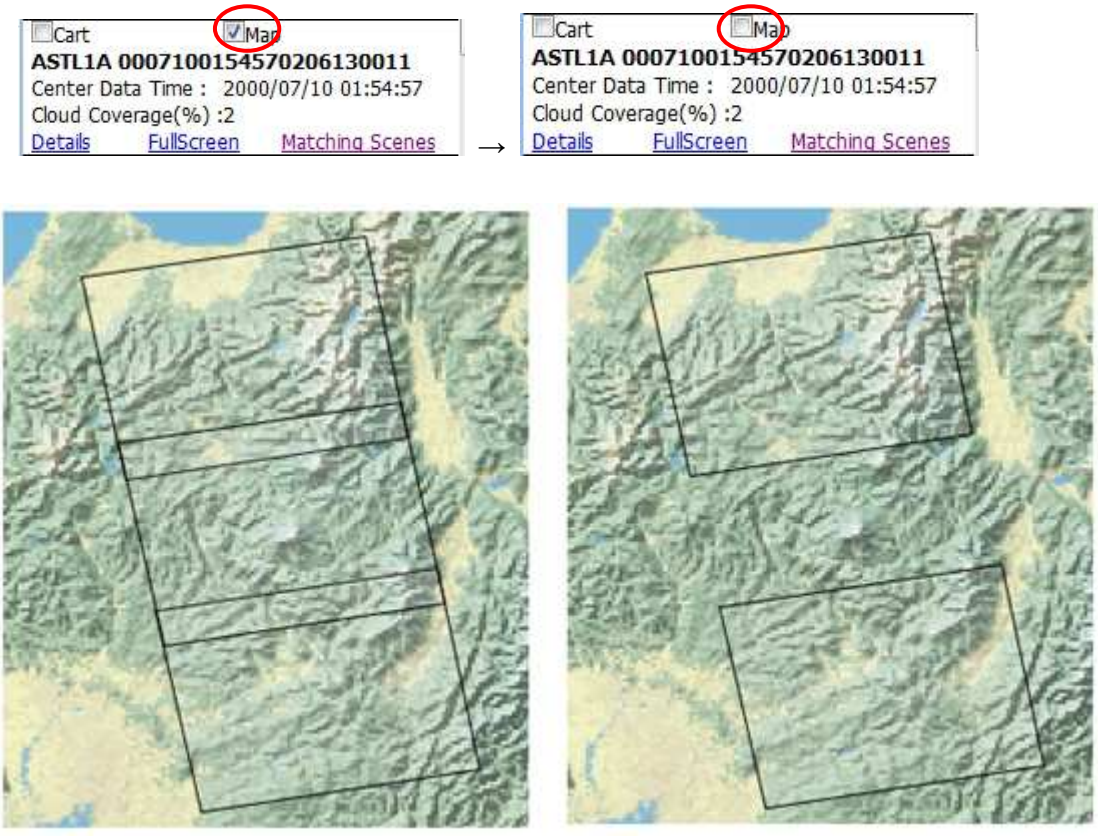


Fig. 2.7.4-1 Display and Non-display scene on map

Check [Map] at the bottom of the search result list to display all the search result on the page.

Fig. 2.7.4-2 Check Box of [Map] at the Bottom of Search Result List

2.7.5. Display Detailed Information on Data Product

Click [Full Screen] on the search result list.

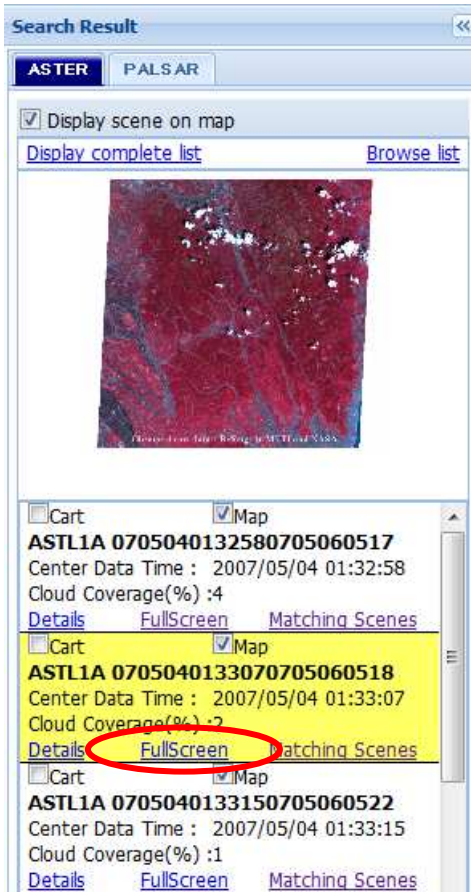


Fig. 2.7.5-1 Click [Full Screen]

A new window appears to show the detailed information on the selected scene for view. Information shown on this window is different between ASTER and PALSAR.

The below example of Product Detailed Info window is for ASTER.

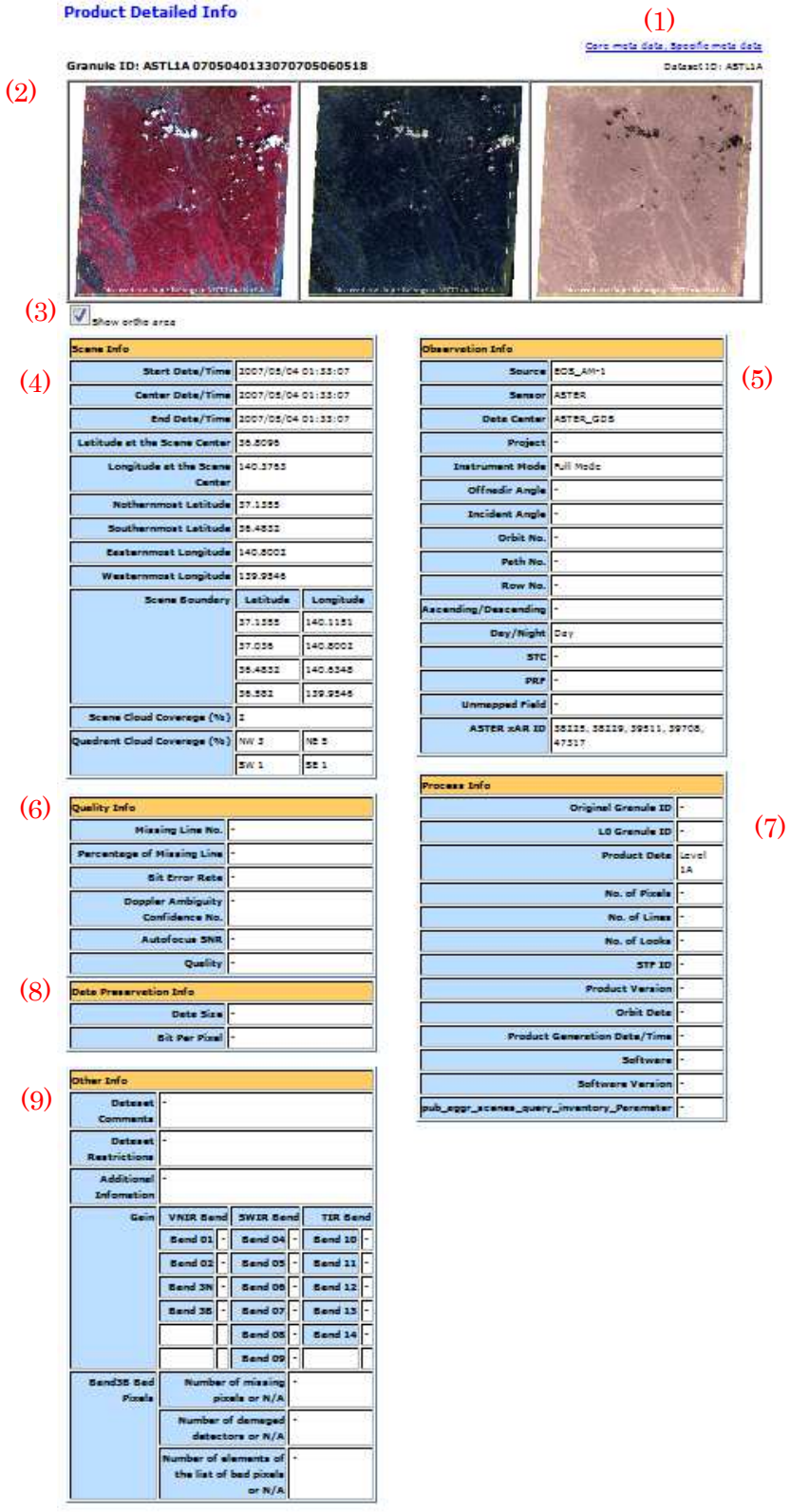


Fig. 2.7.5-2 Product Detailed Information for ASTER

Table 2.7.5-1 Contents on ASTER Product Detailed Info Window

No.	Content	Description
(1)	Link to Core meta data and Specific meta data	Core meta data and Specific meta data can be accessed. Display of each meta data is switched on tab.
(2)	Browse images	Browse images are displayed. When browse image doesn't exist, a message [No Browse Image] appears. Enlarged image shows up on a new window when clicking the image
(3)	Show ortho area	Expected scene area in case ortho product is generated is shown in yellow line [Box unchecked] [Box checked]

(4)	Scene Info	Information of the scene
(5)	Observation Info	Observation of the scene
(6)	Quality Info	Information of its quality
(7)	Process Info	Information of data processing
(8)	Data Preservation Info	Information of data preservation
(9)	Other Info	Other information

Detailed Information of PALSAR shows below.

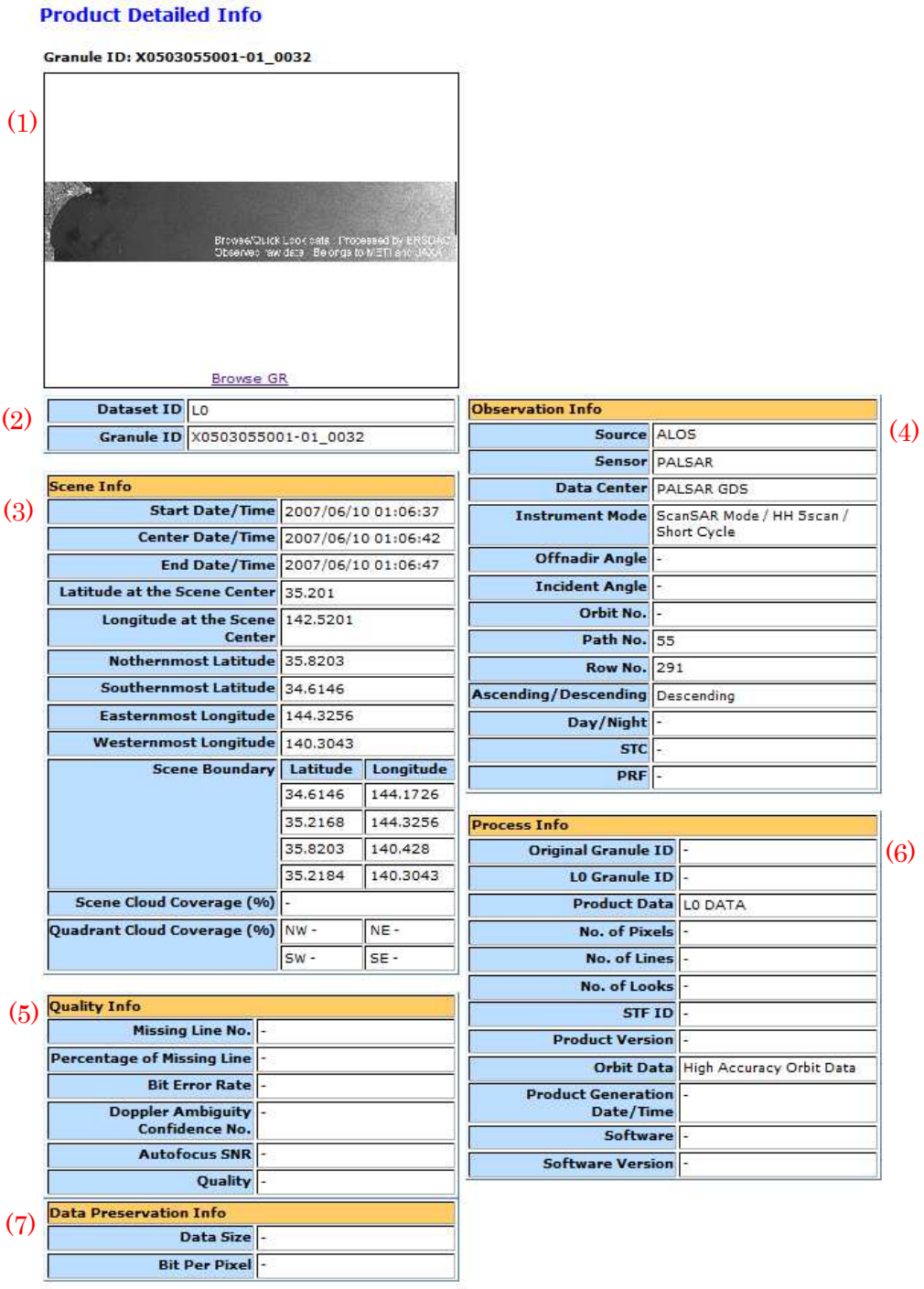


Fig. 2.7.5-3 PALSAR Data Product Detailed Information

Table 2.7.5-2 Contents of PALSAR Data Product Detailed Information Window

No.	Content	Description
(1)	Browse Image	Browse images are displayed. When browse image doesn't exist, a

		message [No Browse Image] appears. Enlarged image shows up on a new window when clicking the image.
(2)	Dataset ID Granule ID	Dataset ID and Granule ID
(3)	Scene Info	Information of the scene
(4)	Observation Info	Information of its observation
(5)	Quality Info	Information of the quality
(6)	Process Info	Information of data processing
(7)	Data Preservation Info	Information of data preservation

Click [Core meta data, Specific meta data] link at PALSAR Data Product Detailed Information to show [Show Core meta data, Specific meta data].

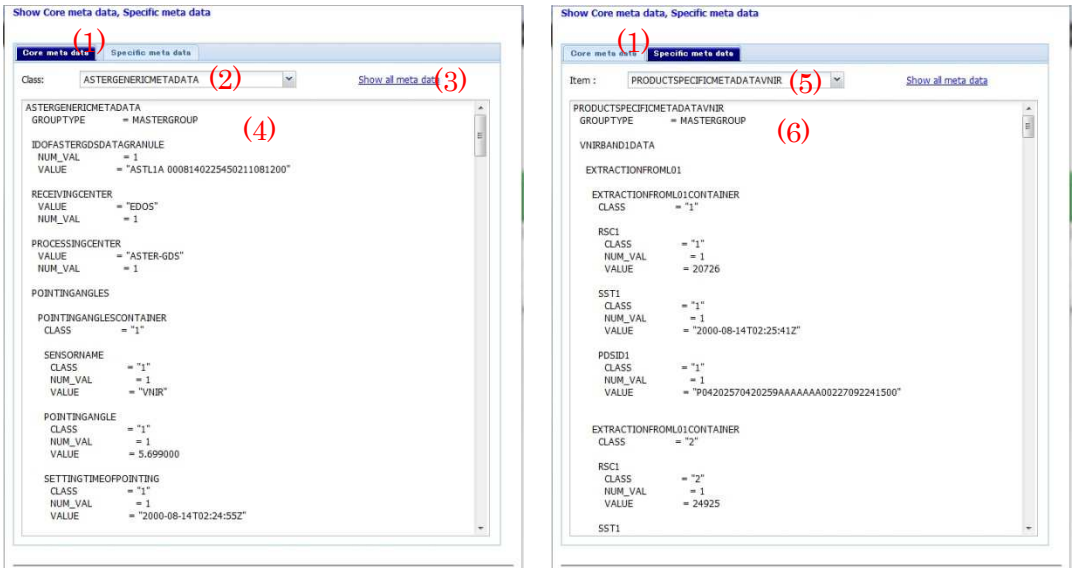


Fig. 2.7.5-4 Left: Core meta data Tab, Right: Specific meta data Tab

Table 2.7.5-3 Contents of Core meta data, Specific meta data Screen

No.	Content	Description
(1)	Core meta data/Specific meta data tabs	Information of core meta data and specific meta data is displayed by switching tab
(2)	Class name drop-down list	Class name list of core metadata is shown

(3)	Show all meta data	All meta data is displayed on a new tab
(4)	Core meta data	Core meta data selected by class name drop-down list is displayed
(5)	Item name drop-down list	Item name list of specific meta data is shown
(6)	Specific meta data	Specific meta data selected by item name drop-down list is shown

2.7.6. Add Scenes into Cart

Select scenes to order as ASTER and PALSAR data products. Check [Cart] of each scene to add to cart. The selected scene is highlighted in red frame on the map.

Click [Add to Cart (ASTER)] or [Add to Cart (PALSAR)] to move to [Cart] screen.

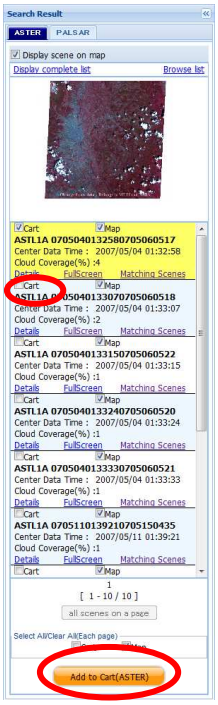


Fig. 2.7.6-1 Check [Cart] and Click [Add to Cart (ASTER)]

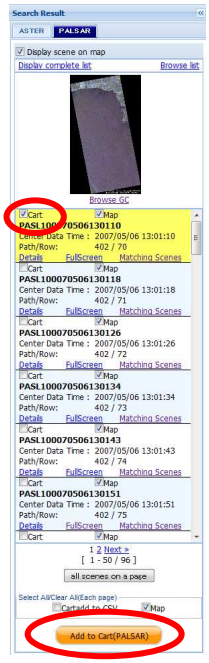


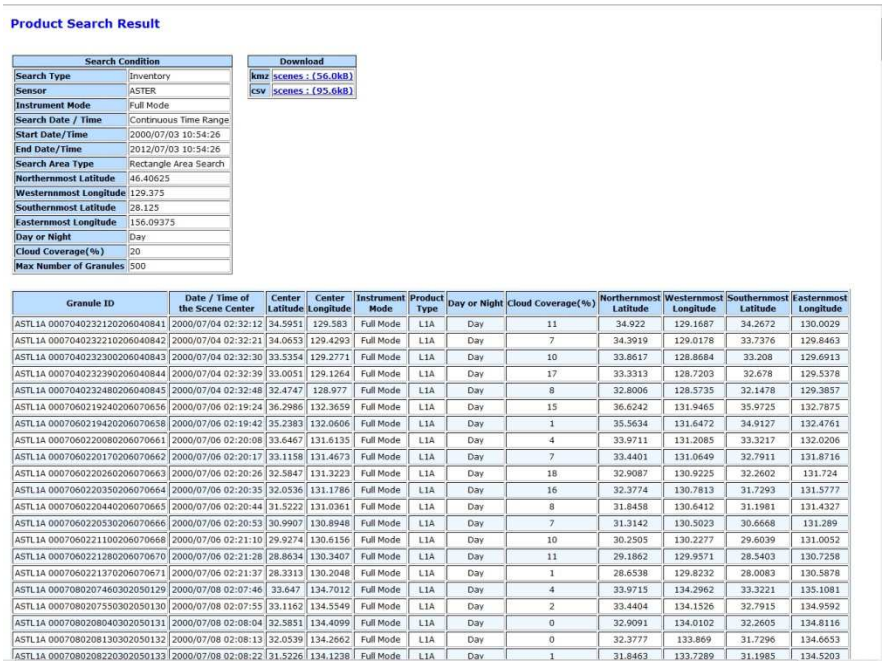
Fig. 2.7.6-2 Check [Cart] and Click [Add to Cart (PALSAR)]

2.7.7. Display Complete List of Search Result

Click [Display complete list] on top of Search Result to show all the search results on a list. This list has different items between ASTER and PALSAR, both of which can be displayed on each tab of Search Result individually.

Fig. 2.7.7-1 Click [Display complete list]

An example of a complete list of ASTER search result is shown below..



Product Search Result

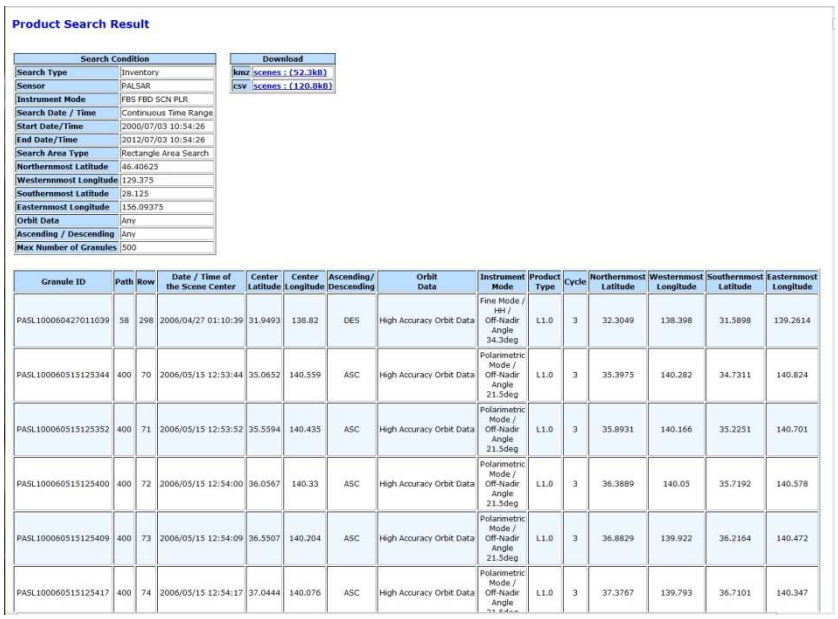
Search Condition	
Search Type	Inventory
Sensor	ASTER
Instrument Mode	Full Mode
Search Date / Time	Continuous Time Range
Start Date/Time	2000/07/03 10:54:26
End Date/Time	2012/07/03 10:54:26
Search Area Type	Rectangle Area Search
Northernmost Latitude	46.40625
Westernmost Longitude	129.375
Southernmost Latitude	28.125
Easternmost Longitude	156.09375
Day or Night	Day
Cloud Coverage(%)	20
Max Number of Granules	500

Download	
kmz	scenes : (56.0kB)
csv	scenes : (95.6kB)

Granule ID	Date / Time of the Scene Center	Center Latitude	Center Longitude	Instrument Mode	Product Type	Day or Night	Cloud Coverage(%)	Northernmost Latitude	Westernmost Longitude	Southernmost Latitude	Easternmost Longitude
ASTL1A 0007040232120206040841	2000/07/04 02:32:12	34.5951	129.583	Full Mode	L1A	Day	11	34.922	129.1687	34.2672	130.0029
ASTL1A 0007040232210206040842	2000/07/04 02:32:21	34.0653	129.4293	Full Mode	L1A	Day	7	34.3919	129.0178	33.7376	129.8463
ASTL1A 0007040232300206040843	2000/07/04 02:32:30	33.5354	129.2771	Full Mode	L1A	Day	10	33.8617	128.8684	33.208	129.6913
ASTL1A 0007040232390206040844	2000/07/04 02:32:39	33.0051	129.1264	Full Mode	L1A	Day	17	33.3313	128.7203	32.678	129.5378
ASTL1A 0007040232480206040845	2000/07/04 02:32:48	32.4747	128.977	Full Mode	L1A	Day	8	32.8006	128.5735	32.1478	129.3857
ASTL1A 0007060219240206070656	2000/07/06 02:19:24	36.2986	132.3659	Full Mode	L1A	Day	15	36.6242	131.9465	35.9725	132.7875
ASTL1A 0007060219420206070658	2000/07/06 02:19:42	35.2383	132.0606	Full Mode	L1A	Day	1	35.5634	131.6472	34.9127	132.4761
ASTL1A 0007060220080206070661	2000/07/06 02:20:08	33.6467	131.6135	Full Mode	L1A	Day	4	33.9711	131.2085	33.3217	132.0206
ASTL1A 0007060220170206070662	2000/07/06 02:20:17	33.1158	131.4673	Full Mode	L1A	Day	7	33.4401	131.0649	32.7911	131.8716
ASTL1A 0007060220260206070663	2000/07/06 02:20:26	32.5847	131.3223	Full Mode	L1A	Day	18	32.9087	130.9225	32.2602	131.724
ASTL1A 0007060220350206070664	2000/07/06 02:20:35	32.0536	131.1786	Full Mode	L1A	Day	16	32.3774	130.7813	31.7293	131.5777
ASTL1A 0007060220440206070665	2000/07/06 02:20:44	31.5222	131.0361	Full Mode	L1A	Day	8	31.8458	130.6412	31.1981	131.4327
ASTL1A 0007060220530206070666	2000/07/06 02:20:53	30.9907	130.8948	Full Mode	L1A	Day	7	31.3142	130.5023	30.6668	131.289
ASTL1A 0007060221100206070668	2000/07/06 02:21:10	29.9274	130.6156	Full Mode	L1A	Day	10	30.2505	130.2277	29.6039	131.0052
ASTL1A 0007060221280206070670	2000/07/06 02:21:28	28.8634	130.3407	Full Mode	L1A	Day	11	29.1862	129.9571	28.5403	130.7258
ASTL1A 0007060221370206070671	2000/07/06 02:21:37	28.3313	130.2048	Full Mode	L1A	Day	1	28.6538	129.8232	28.0083	130.5878
ASTL1A 0007080207460302050129	2000/07/08 02:07:46	33.647	134.7012	Full Mode	L1A	Day	4	33.9715	134.2962	33.3221	135.1081
ASTL1A 0007080207550302050130	2000/07/08 02:07:55	33.1162	134.5549	Full Mode	L1A	Day	2	33.4404	134.1526	32.7915	134.9592
ASTL1A 0007080208040302050131	2000/07/08 02:08:04	32.5851	134.4099	Full Mode	L1A	Day	0	32.9091	134.0102	32.2605	134.8116
ASTL1A 0007080208130302050132	2000/07/08 02:08:13	32.0539	134.2662	Full Mode	L1A	Day	0	32.3777	133.869	31.7296	134.6653
ASTL1A 0007080208220302050133	2000/07/08 02:08:22	31.5226	134.1238	Full Mode	L1A	Day	1	31.8463	133.7289	31.1985	134.5203

Fig. 2.7.7-2 Complete List of ASTER Search Result

An example of a complete list of PALSAR search result is shown below.



Product Search Result

Search Condition	
Search Type	Inventory
Sensor	PALSAR
Instrument Mode	FBS FBD SCN PLR
Search Date / Time	Continuous Time Range
Start Date/Time	2000/07/03 10:54:26
End Date/Time	2012/07/03 10:54:26
Search Area Type	Rectangle Area Search
Northernmost Latitude	46.40625
Westernmost Longitude	129.375
Southernmost Latitude	28.125
Easternmost Longitude	156.09375
Orbit Data	Any
Ascending / Descending	Any
Max Number of Granules	500

Download	
kmz	scenes : (52.3kB)
csv	scenes : (120.8kB)

Granule ID	Path	Row	Date / Time of the Scene Center	Center Latitude	Center Longitude	Ascending/ Descending	Orbit Data	Instrument Mode	Product Type	Cycle	Northernmost Latitude	Westernmost Longitude	Southernmost Latitude	Easternmost Longitude
PASL100060427011039	58	298	2006/04/27 01:10:39	31.9493	138.82	DES	High Accuracy Orbit Data	Fine Mode / HH / Off-Nadir Angle 34.3deg	L1.0	3	32.3049	138.398	31.5898	139.2614
PASL100060515125344	400	70	2006/05/15 12:53:44	35.0652	140.559	ASC	High Accuracy Orbit Data	Polarimetric Mode / Off-Nadir Angle 21.5deg	L1.0	3	35.3975	140.282	34.7311	140.824
PASL100060515125352	400	71	2006/05/15 12:53:52	35.5594	140.435	ASC	High Accuracy Orbit Data	Polarimetric Mode / Off-Nadir Angle 21.5deg	L1.0	3	35.8931	140.166	35.2251	140.701
PASL100060515125400	400	72	2006/05/15 12:54:00	36.0567	140.33	ASC	High Accuracy Orbit Data	Polarimetric Mode / Off-Nadir Angle 21.5deg	L1.0	3	36.3889	140.05	35.7192	140.578
PASL100060515125409	400	73	2006/05/15 12:54:09	36.5507	140.204	ASC	High Accuracy Orbit Data	Polarimetric Mode / Off-Nadir Angle 21.5deg	L1.0	3	36.8829	139.922	36.2164	140.472
PASL100060515125417	400	74	2006/05/15 12:54:17	37.0444	140.076	ASC	High Accuracy Orbit Data	Polarimetric Mode / Off-Nadir Angle	L1.0	3	37.3767	139.793	36.7101	140.347

Fig. 2.7.7-3 Complete List of PALSAR Search Result

2.7.8. Download Search Result

Displayed complete list of product search result can be downloaded in KMZ or CSV format from [Download] field. KMZ format is the compressed file of KML.

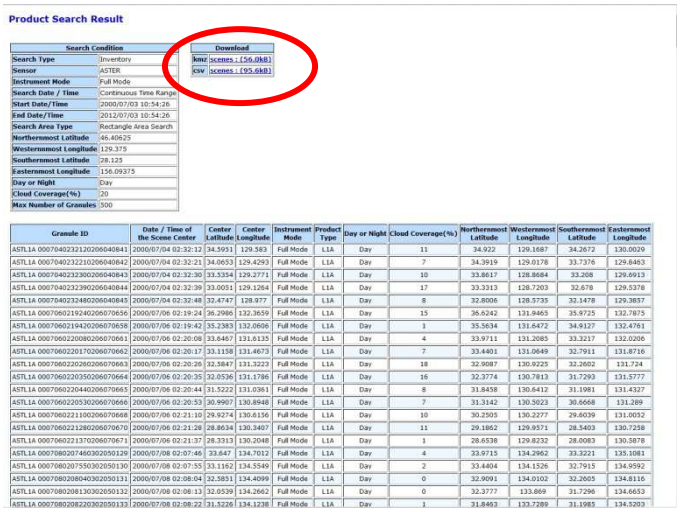


Fig. 2.7.8-1 Complete List of ASTER Search Result

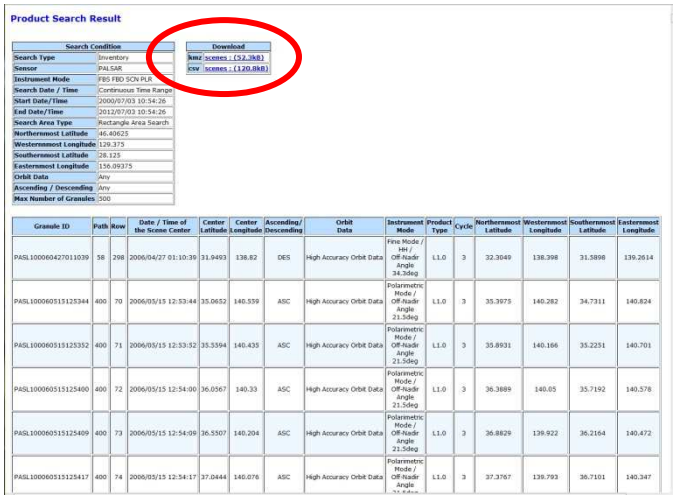


Fig. 2.7.8-2 Complete List of PALSAR Search Result

Click [scenes: (xxkB)] to download the list.

2.7.9. Display Browse List

Click [Browse list] on top of the Search Result window to display all the browse images of search result as a list on a single screen. This browse list has different items between ASTER and PALSAR, both of which can be displayed on each tab of Search Result individually.

Select the scene to order and click [Add to Cart] on [Browse list] screen.

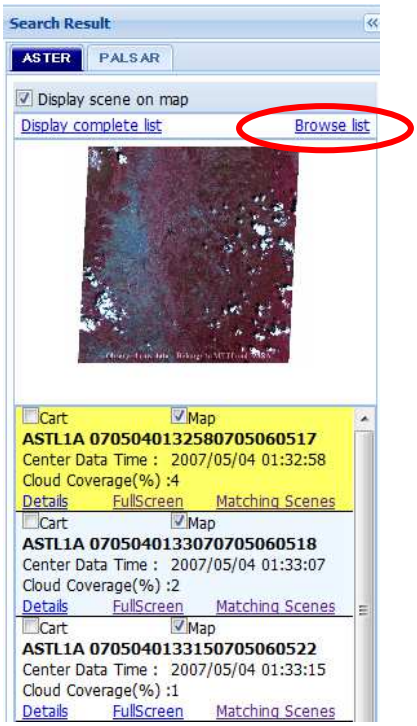


Fig. 2.7.9-1 Click [Browse list]

An example of ASTER [Browse list] is shown below.

Fig. 2.7.9-2 ASTER [Browse list] Screen

Table 2.7.9-1 Contents of ASTER [Browse List] Screen

No.	Content	Description
(1)	Show entries pull-down menu	Number of scenes to display on a page
(2)	Inventory Information	Show scene inventory ・Detailed product information ・Observation date and time of scene center ・Observation mod ・Cloud coverage (%) ・Day or Night Product Detailed Info screen shows up when clicking [Full Screen] link under each granule ID. Also, scene can be selected for order by checking [Add to Cart]. Order of scenes can be sorted by item name of selected column.
(3)	Browse Images	Browse Images are displayed. In case browse image does not exist for the scene, a message [No Browse Image] appears. Browse image is enlarged on a new screen when clicking the image.
(4)	Paging	Displayed page of search result list is switched by clicking [First], [Previous], [Next], [Last], or a page number. Scenes in search result list are displayed on a page up to the number of scenes specified by [Show Entries] menu. If the search result has over the specified number of scenes, they are divided in plural pages
(5)	Add to Cart (ASTER)	The scene is added to cart when [Add

		to Cart] is checked in the list.
(6)	Search	Search is conducted for all the contents in the list, which partially match to the text entered in this box. Only the scenes to meet the search result are displayed.

An example of PALSAR Browse list is shown below.

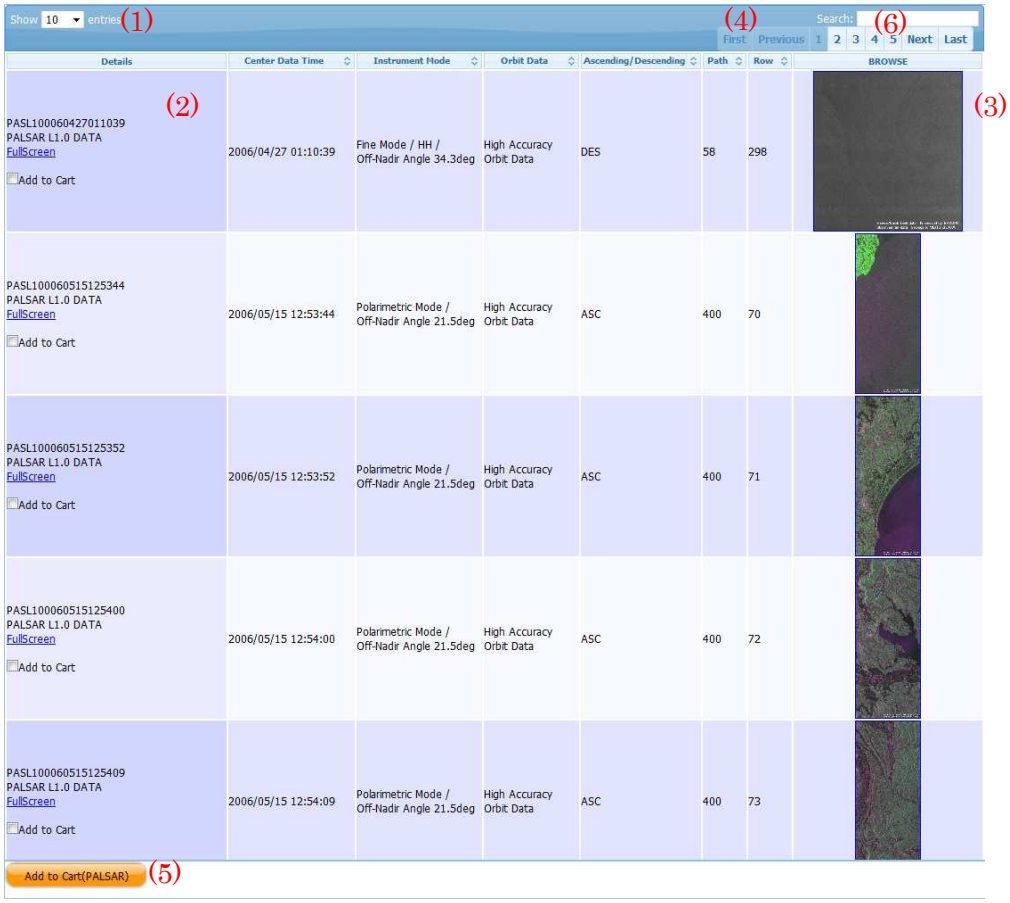


Fig. 2.7.9-3 PALSAR [Browse list] screen

Table 2.7.9-2 Contents of PALSAR [Browse list] Screen

No.	Content	Description
(1)	Show entries pull-down menu	Number of scenes to display on a page is selected.
(2)	Inventory Information	Show scene inventory ・Detailed product information ・Observation date and time of

		scene center ・Observation mode ・Orbit Data ・Ascending/Descending ・Path ・Row Product Detailed Info screen shows up when clicking [Full Screen] link under each granule ID. Also, scene can be selected for order by checking [Add to Cart]. Order of scenes can be sorted by item name of selected column
(3)	Browse Image	Browse Images are displayed. In case browse image does not exist for the scene, a message [No Browse Image] appears. Browse image is enlarged on a new screen when clicking the image.
(4)	Paging	Displayed page of search result list is switched by clicking [First], [Previous], [Next], [Last], or a page number. Scenes in search result list are displayed on a page up to the number of scenes specified by [ShowEntries] menu. If the search result has over the specified number of scenes, they are divided in plural pages.
(5)	Add to Cart (PALSAR)	The scene is added to cart when [Add to Cart] is checked in the list.
(6)	Search	Search is conducted for all the contents in the list, which partially match to the text entered in this box. Only the scenes to meet the search result are displayed.

2.7.10. Search Scenes Covering the Same Area

Click [Matching Scenes] on Search Result window to search scenes covering the same area.

Fig. 2.7.10-1 Select [Matching Scenes]

Specify the search conditions for the same area appears on a new window. The condition setting field for ASTER and PALSAR can be switched by tabs.

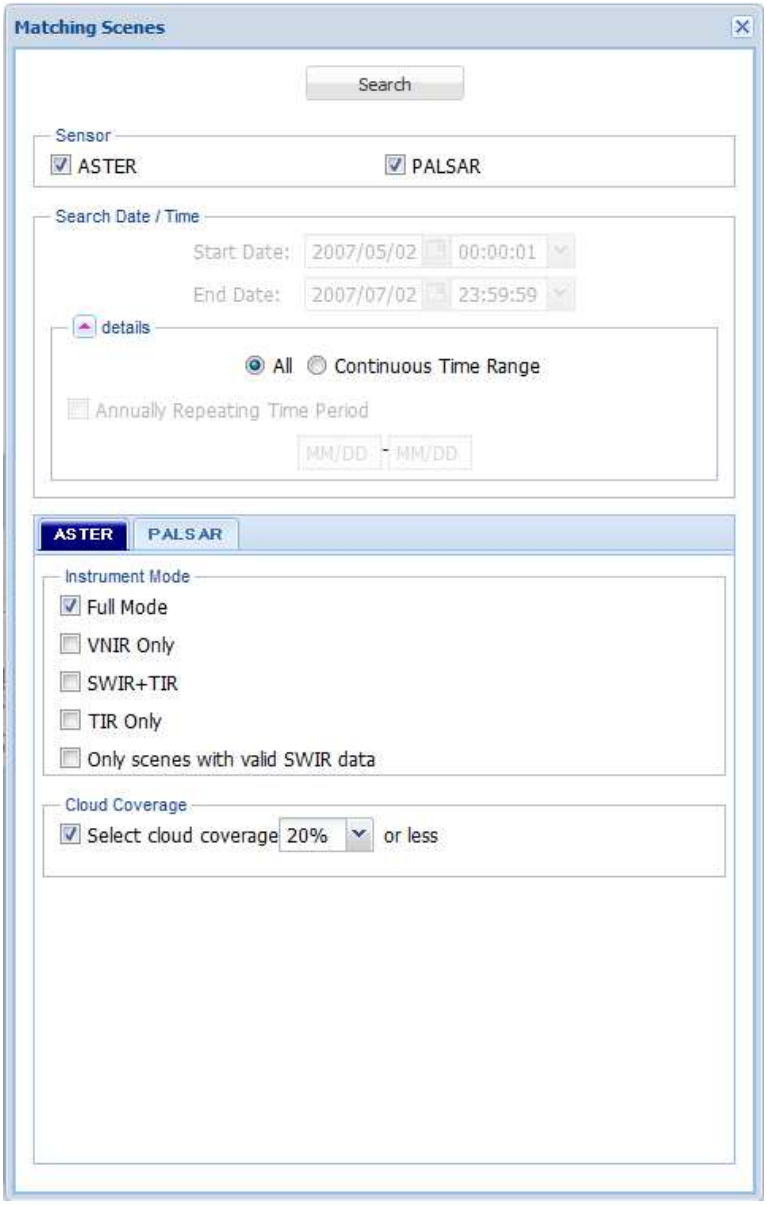


Fig. 2.7.10-2 Specify ASTER Search Conditions for Matching Scenes

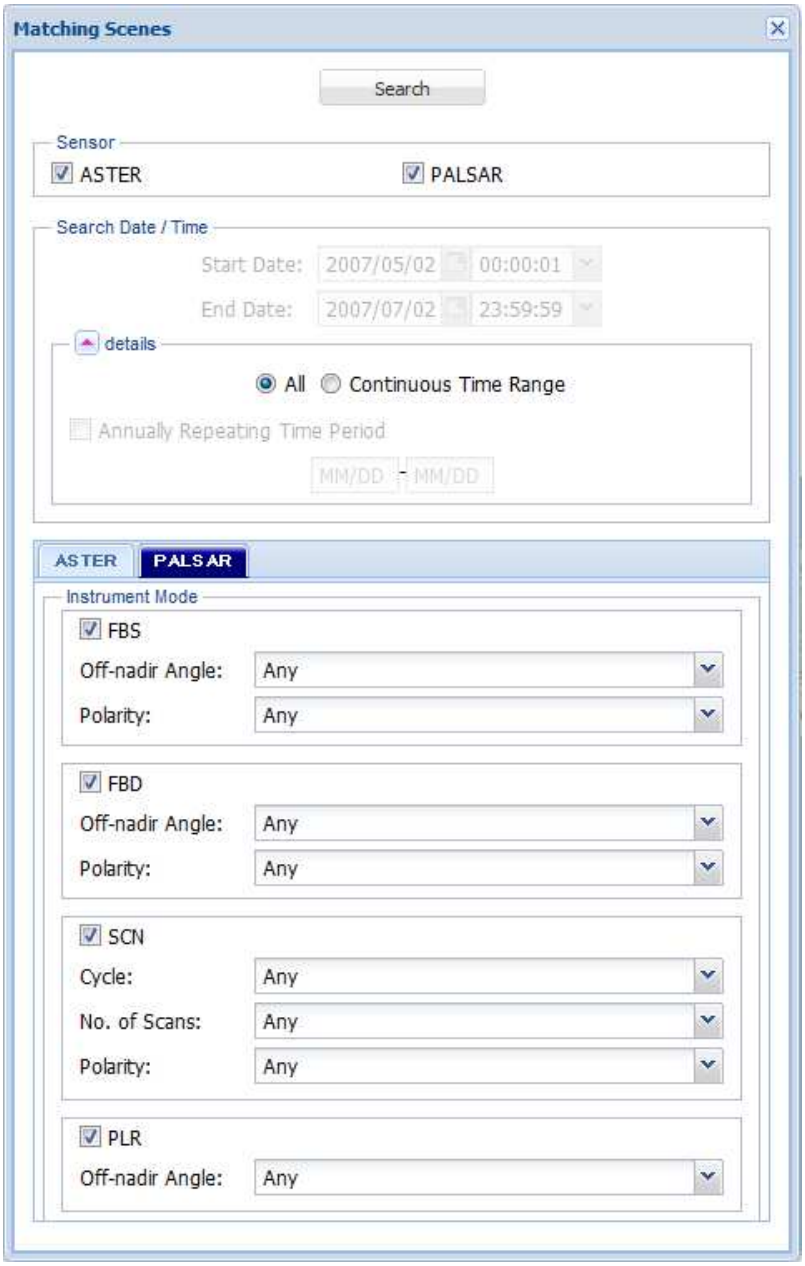


Fig. 2.7.10-3 Specify PALSAR Search Conditions for Matching Scenes

The below conditions can be specified for ASTER.

- Observation mode
- Cloud coverage

For more information, see <Observation Mode> and <Cloud Coverage> of [2.5.1.2 Set Specific Search Conditions for ASTER].

The below condition can be specified for PALSAR.

・Observation mode

For more information, see <Observation Mode> of [2.5.1.3 Set Specific Search Conditions for PALSAR].

After setting search conditions, click [Search], and search result for scenes covering the same area is shown on the Search Result screen.

Choose a scene preferred to order from the search results and add it to Cart.

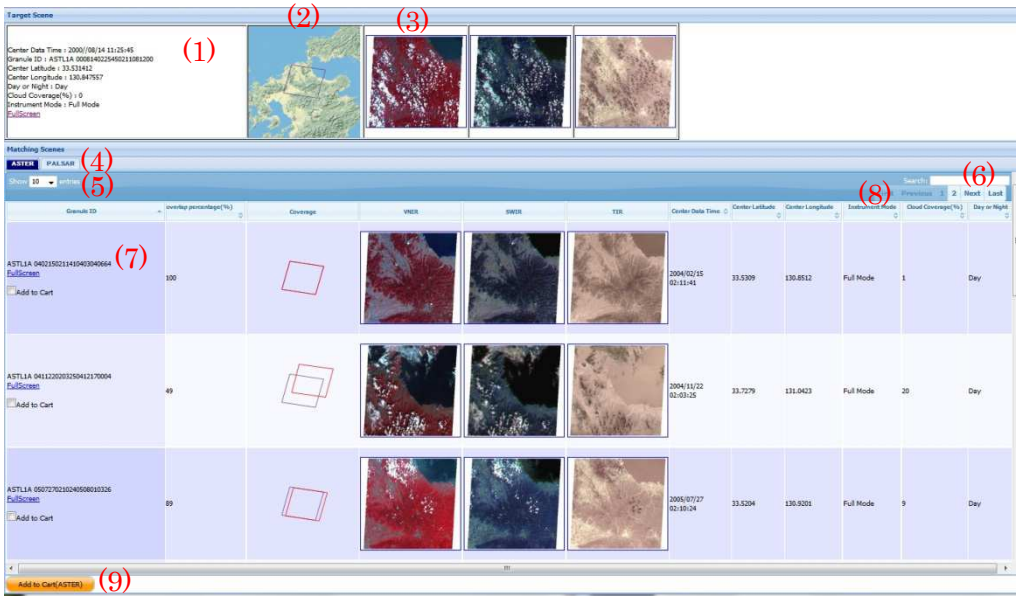


Fig. 2.7.10-4 ASTER Search Result for Matching Scenes

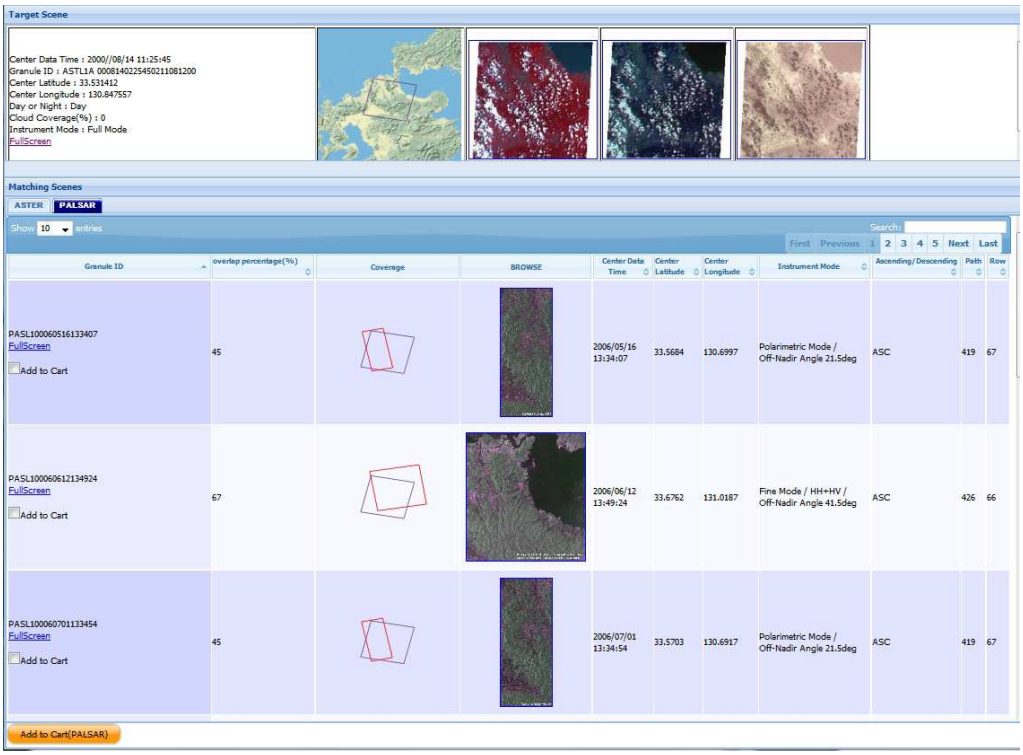


Fig. 2.7.10-5 PALSAR Search Result for Matching Scenes

Table 2.7.10-1 Contents of Search Result for Matching Scenes

No.	Content	Description
(1)	Inventory information filed of Target Scene	Display Inventory information of Target Scene specified by Search Result
(2)	Coverage map display of a standard scene	Display coverage map of Target Scene on Map
(3)	Browse image of Target Scene	Display browse image of Target Scene
(4)	ASTER/PALSAR tab	Display ASTER and PALSAR search results by switching [ASTER] and [PALSAR] tabs
(5)	Show Entries	Select the number of pages displayed on 1 page from pull-down menu.
(6)	Search	Perform search by matching partially with the characters entered this filed within Search Result. Only the scene corresponding to Search Result displays.
(7)	Inventory Information on retrieved scenes	The following inventory information is shown. [ASTER]

		・Detailed Product Information ・Scene coverage ・Browse images ・Overlap rate (%) ・Observation date and time of scene center ・Observation mode ・Cloud coverage (%) ・Day or Night [PALSAR] ・Detailed Product Information ・Scene coverage ・Browse image ・Overlap rate (%) ・Observation date and time of scene center ・Observation mode ・Ascending / Descending ・Path ・Row Detailed Product Info screen is displayed when clicking [Full Screen] link under each granule ID. Also, scene can be selected for order by checking [Add to Cart]. Coverage shows how the target scene (purple line) and the retrieved scene (red line) overlap.
(8)	Paging	Displayed page of search result list is switched by clicking [First], [Previous], [Next], [Last], or each page number. Scenes in search result list are displayed on a page up to the number of scenes specified by [ShowEntries] menu. If the search result has over the specified number of scenes, they are divided in plural pages.
(9)	Add to Cart (ASTER/PALSAR)	Scenes which are checked for [Cart] are put in Cart. This procedure must be done for ASTER and PALSAR respectively.

2.7.11. Download AOI Search Result

To download AOI search result, select the scene to save the information of interferometry pair from the search result list and check [CSV] for the scene.

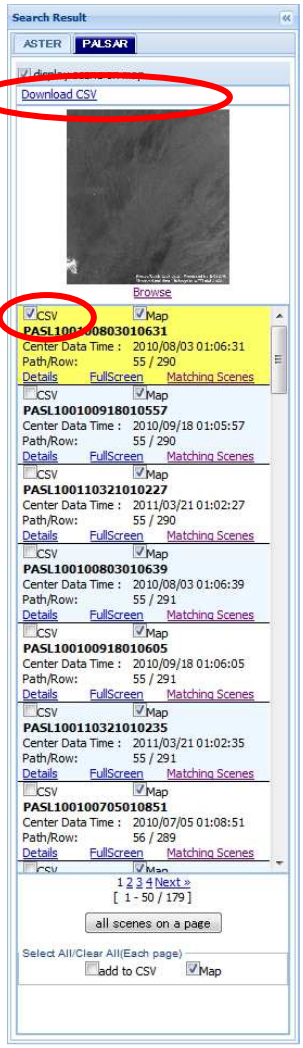


Fig. 2.7.101-1 Save the Sleeted Master Image in CSV File

Next, click [Download CSV]. As the file-saving function starts according to the web browser, save the result as CSV file. The default file name is shown below. Change the file name if necessary.

Master_slave_[random-12-digit-number]_[yyyymmddhhmmss (the file processed date)].csv

2.8. Order Data Product

2.8.1. Order ASTER Data Products

By adding scenes in the search result list to cart (see [2.7.6 Add Scenes to Cart]), scenes in the Browse list to cart (see [2.7.9 Display Browse List]), or scene covering the same area to cart (see [2.7.10 Search Scenes Covering the Same Area]) ASTER scenes can be added to cart. When the selected scenes are add to cart by one of the above methods, Product Estimate/Order of [ASTER GDS] shows up in a new window with the selected scenes.

In case User Citification (Login) for [ASTER GDS] account has never processed, User Certification (Login) [ASTER GDS] appears before Product Estimate/Order..

Fig. 2.8.1-2 Product Estimate/Order screen of ASTER GDS

At Product Estimate/Order, make an order. For more information about ordering ASTER data products, visit URL shown below and see [16. Product Order Result screen] on the left side menu of [DPR (Product Order)].

http://ims.aster.ersdac.jspacesystems.or.jp/ims/html/Help/HelpMenu_j.html

2.8.2. Order PALSAR Data Products

2.8.2.1. Display Cart (Product Order Screen)

Add PALSAR scene to Cart from Search Result (See「2.7.6 Add Since to Cart」); from Browse list screen（See「2.7.9 Display Browse List」; and from search result for Matching Scenes (See「2.7.10 Search Scenes Covering the Same Area」.After adding PALSAR scenes by either procedure to Cart, they are displayed in Cart at Product Order of [ASTER/PALSAR Unified Search].

When User Certification for the user account of [ASTER/PALSAR Unified Search] has never processed, User Certification (Login) screen of [ASTER/PALSAR Unified Search] is shown first.

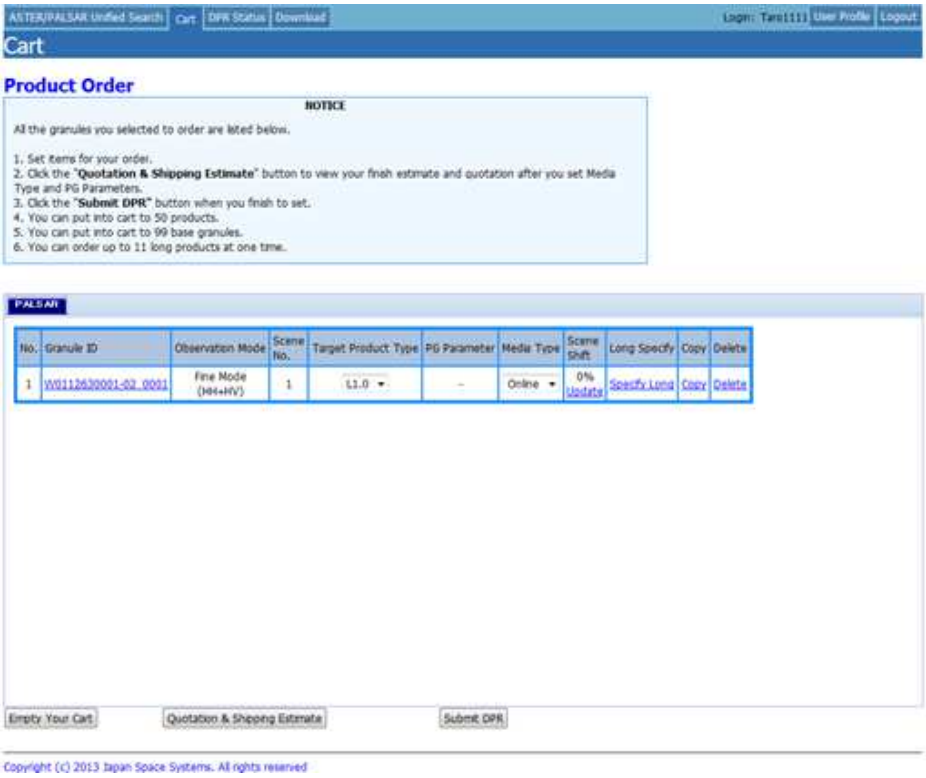


Fig. 2.8.2.2-1 Cart (Product Order Screen) of [ASTER/PALSAR Unified Search]

At [Cart (Product Order Screen)], products put into Cart are showed. Also, product order is available by setting Target Product Type, and specifying Product Generation Parameters for a product with image processing to the showed products.

2.8.2.2. Display Product Details Info

In order to display Product Details Info, click the Granule ID link of [Granule ID] field on product list. The Detailed Product Info screen (「2.7.5 Display Detailed Information on Data Product」) appears at a new screen.

2.8.2.3. Set Target Product Type, PG Parameters, and Long Specify

To set [Target Product Type] and [PG Parameter] and Long specify for the product to order can be performed at [Target Product Type] field, [PG Parameter] field, and [Long Specify] field, respectively.

Select a target product type from the list. Selectable [Target Product Type] is restricted by observation mode specified to its original product. The restrictions by observation mode to a selectable target product type refer to the following table. The target product type which cannot be generated from a selected product cannot be selected and is not listed to the following table.

Table 2.8.2.3-1 Selectable Target Product Type for Each Observation Mode

Observation Mode	Selectable Target Product Type
Fine (HH)	L1.0CEOS, L1.1, L1.5
Fine (VV)	
Fine (HH+HV)	L1.0CEOS, L1.1, L4.1
Fine (VV+VH)	
Multi Polarimetory	
ScanSAR 3 Scans mode1 (HH)	L1.0CEOS, L4.2
ScanSAR 3 Scans mode2 (HH)	
ScanSAR 3 Scans mode1 (VV)	
ScanSAR 3 Scans mode2 (VV)	
ScanSAR 4 Scans mode1 (HH)	
ScanSAR 4 Scans mode2 (HH)	
ScanSAR 4 Scans mode1 (VV)	
ScanSAR 4 Scans mode2 (VV)	
ScanSAR 5 Scans mode1 (HH)	
ScanSAR 5 Scans mode2 (HH)	
ScanSAR 5 Scans mode1 (VV)	
ScanSAR 5 Scans mode2 (VV)	

By [Target Product Type], selectable PG parameters and conditions applicable to each PG Parameter differ Target Product Type and selectable PG Parameters are shown below.

Table 2.8.2.3-2 Target Product Type and Selectable Product Generation Parameters

Target Product Type	Observation Mode	User Specified Parameters								
		Pixel Spacing	Orientation	Projection	Datum	Resampling (*1)	Nought (*2)	DEM (*3)	Look Method (*4)	LONG Specify (*5)
L1.0CEOS	All	-	-	-	-	-	-	-	-	Positive
L1.1	Fine (HH)	-	-	-	-	-	beta0 sigma0	-	-	Positive
	Fine (VV)	-	-	-	-	-		-	-	Positive
	Fine (HH+HV)	-	-	-	-	-		-	-	Positive
	Fine (VV+VH)	-	-	-	-	-		-	-	Positive
	Full Polarimetry	-	-	-	-	-		-	-	Positive
L1.5	Fine (HH) Fine (VV)	5m 6.25m (default) 10m 12.5m 25m	Geocoded (Hereinafter, GC) Geocoded Ortho (Hereinafter, GO) Geo-referenced (Hereinafter, GR)	Case of GC UTM (default) PS Case of GO UTM (default) PS EQA Case of GR Ground Range	Case of GC JGD2000 (default) WGS84 Others Case of GO JGD2000(default) WGS84 Case of GR (*7)	Case of GC CC (default) NN CS Case of GO CC (default) Case of GR (*8)	beta0 sigma0 sigma0 local	Case of GC/GR - Case of GO AGDEM SRTM3	Case of GC/GR - Case of GO AVE FRQ	Positive
L4.1	Multi Polarimetry	Case of GC 12.5m 25m (default) 50m Case of GO 12.5m 25m (default) 50m Case of GR (*6)	GGC GO GR	Case of GC UTM (default) PS Case of GO UTM (default) PS EQA Case of GR Slant Range	Case of GC JGD2000(default) WGS84 Others Case of GO JGD2000 (default) WGS84 Case of GR -	Case of GC CC (default) NN CS Case of GOCC Case of GR -	beta0 sigma0 sigma0 local	Case of GC/GR - Case of GO AGDEM SRTM3	Case of GC/GR - Case of GO AVE FRQ	Positive

	Fine (HH+HV)	Case of GC 12.5m (default) 25m 50m Case of GO 12.5m (default) 25m 50m Case of GR （*6）	GC GO GR	Case of GC UTM (default) PS Case of GO UTM (default) PS EQA Case of GR Slant Range	Case of GC JGD2000 (default) WGS84 Others Case of GO JGD2000 (default) WGS84 Case of GR -	Case of GC CC (default) NN CS Case of GO CC Case of GR -	beta0 sigma0 sigma0 local	Case of GC/GR - Case of GO AGDEM SRTM3	Case of GC/GR - Case of GO AVE FRQ	Positive
	Fine (VV+VH)									
L4.2	ScanSAR 3 Scans mode1 (HH)	25m 50m (default)	GC GO GR	Case of GC UTM (default) PS Case of GO UTM (default) PS EQA Case of GR Ground Range	Case of GC JGD2000 (default) WGS84 Others Case of GO JGD2000 (default) WGS84 Case of GR （*7）	Case of GC CC (default) NN CS Case of GO CC Case of GR （*8）	beta0 sigma0	Case of GC/GR N/A Case of GO AGDEM SRTM3	Case of GC/GR - Case of GO AVE	Positive
	ScanSAR 3 Scans mode2 (HH)	12.5m 25m (default) 50m								
	ScanSAR 3 Scans mode1 (VV)	25m 50m (default)								
	ScanSAR 3 Scans mode2 (VV)	12.5m 25m (default) 50m								
	ScanSAR 4 Scans mode1 (HH)	25m 50m (default)								
	ScanSAR 4 Scans mode2 (HH)	12.5m 25m (default) 50m								
	ScanSAR 4 Scans mode1 (VV)	25m 50m (default)								
	ScanSAR 4 Scans mode2 (VV)	12.5m 25m (default) 50m								
	ScanSAR 5 Scans mode1 (HH)	25m 50m (default)								
	ScanSAR 5 Scans mode2 (HH)	12.5m 25m (default) 50m								
	ScanSAR 5 Scans mode1 (VV)	25m 50m (default)								
	ScanSAR 5 Scans mode2 (VV)	12.5m 25m (default) 50m								

(*1)： Abbreviations of Resampling are as follows:

CC：Cubic Convolution, NN：Nearest Neighbor. CS：Cubic Spline

(*2)： It shows applicable/inapplicable to correction of an incident angle: beta0＝ No correction of incident angle, sigma0＝Correction of local incident angle (Note: it is incident angle to the ellipsoid, but not to the terrain consideration.）, sigma0 local= Correction of local incident angle. Sigma0 local is a map projection and selectable for Geo-coded Ortho only..

(*3)： The conditions of the latitude of scene which can specify DEM are as follows.

■Case other than ScanSAR

＜Case of SRTM3＞

・The Northernmost latitude is 59 degree (= 60-1).

・The Southernmost latitude is 55 degrees (= 56-1).

＜Case of ASTER-GDEM＞

・The Northernmost latitude is 82 degrees (= 83-1).

・The Southernmost latitude is 83 degrees (= 83-1).

■Case of ScanSAR

＜Case of SRTM3＞

・The Northernmost latitude is 55 degrees (= 60-5).

・The Southernmost latitude is 51 degrees (= 56-5).

＜Case of ASTER-GDEM＞

・The Northernmost latitude is 78 degrees (= 83-5).

・The Southernmost latitude is 78 degrees (= 83-5)

(*4)： Look processing method (processing for spec noise resistance) of GO product.

Abbreviations of Resampling are as follows: AVE：Block average, FRQ：Multi-looking.

(*5)： Selectable orientation for LONG product specify is Geo-referenced only.

(*6)： Default for Input Value is about 9.37m. (No content of screen parameter specify)

(*7)： Although there is no content of screen parameter specify, a default of JGD2000 is used.

(*8)： Data are resampled by the resampling process which is included in the process of compression in SAR processing.

How to specify Target Product Type and how to select PG Parameter for each specified Target Product Type are explained below.

a-1) Specify Level 1.0 to Target Product Type

Select L1.0 from the [Target Product Type] list. To set Product Generation Parameters is not required.

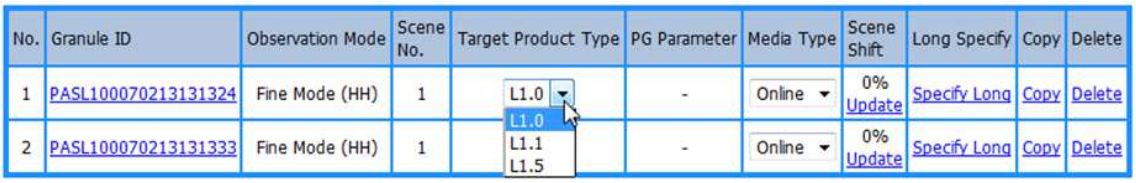


Fig. 2.8.2.3-1 Product Order screen – Product List

a-2) Specify Level 1.0 (LONG) to Target Product Type

By selecting L1.0 from the [Target Product Type] list, [Long Specify] screen and clicking the [Specify Long] link of the [Long Specify] field, Long specify screen is displayed. How to use the [Long Specify] screen refer to「2.8.2.6 Specify LONG Product」.

The Target Product Type performed Long specify becomes L1.0LONG, and specified granule ID is showed at the [Granule ID] field. Additionally, to select LONG product from the [LONG Product] list changed from the [Target Product] list is available. Setting Product Generation Parameters is not required.

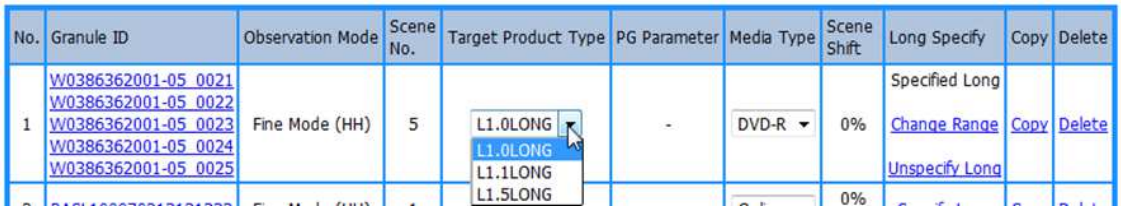


Fig. 2.8.2.3-2 Product Order screen – Product List (After specifying LONG)

b-1) Specify Level 1.1 to Target Product Type

Select L1.1 from the [Target Product Type] list. To set Product Generation Parameters is not required.

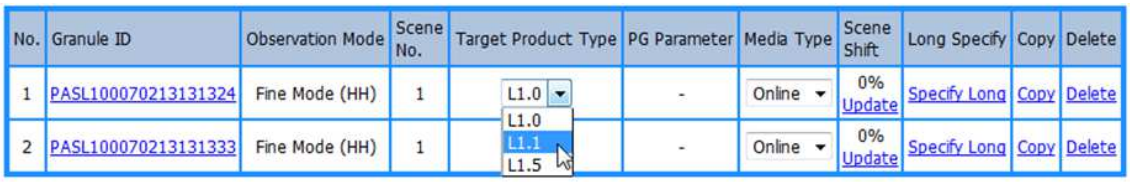


Fig 2.8.2.3-3 Product Order screen – Product List

b-2) Specify Level 1.1 (LONG) to Target Product Type

Perform [Long Specify] on specify Long screen by the same procedure as a-2). The Target Product Type performed by Long specify becomes L1.1 LONG, and the specified granule ID is shown at [Granule ID] field. Also, due to [LONG Product] list changed from the [Target Product] list, LONG product is selectable from the [LONG Product]. To Set Product Generation Parameters is not required.

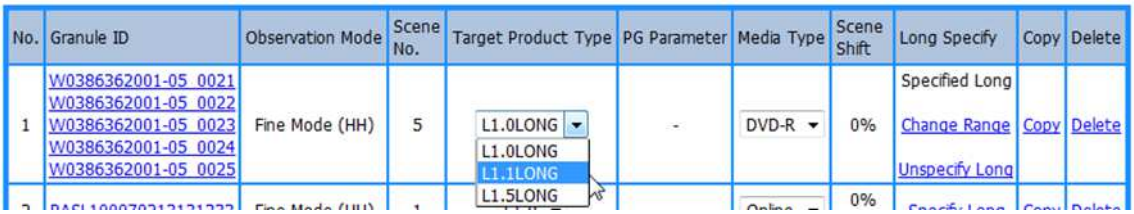


Fig. 2.8.2.3-4 [Product Order] screen – Product List (After specifying LONG)

c-1) Specify Level 1.5 to Target Product Type

Select L1.5 from [Target Product Type] list. Target Product Type becomes L1.5, and PG Parameter (default) at [PG Parameter] field is specified. See 「c-3) Specify Detailed Product Generation Parameters」 for PG Parameter specify.

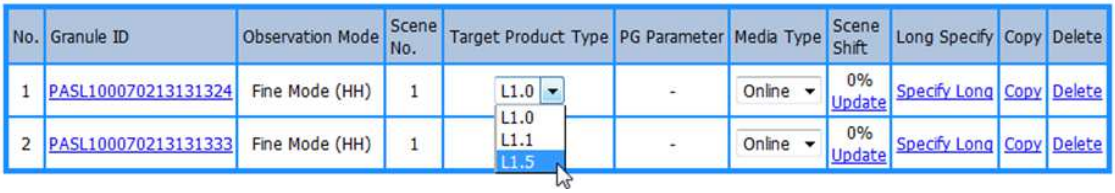


Fig. 2.8.2.3-5 [Product Order] screen – Product List

c-2) Specify Level 1.5 (LONG) to Target Product Type

After selecting L1.5 by c-1) procedure, [Long Specify] screen is displayed by clicking [Specify Long] link on [Long Specify] filed. Then, perform [Long Specify] on specify Long

screen by the same procedure as a-2). At this time, [Specify Long] link may not be displayed. For L1.5, [Specify Long] is shown only when projection of [PG Parameter] is [Geo-referenced]. In case [Specify Long] link does not appear, set [Projection] to [Geo-referenced] by PG Parameter specify. About PG Parameter specify, see 「c-3) Specify Detailed Product Generation Parameters」. Perform [Long Specify] on specify Long screen by the same procedure as a-2). The Target Product Type performed by Long specify becomes L1.5 LONG, and the specified granule ID is shown at [Granule ID] field. Also, due to [LONG Product] list changed from the [Target Product] list, LONG product is selectable from the [LONG Product].

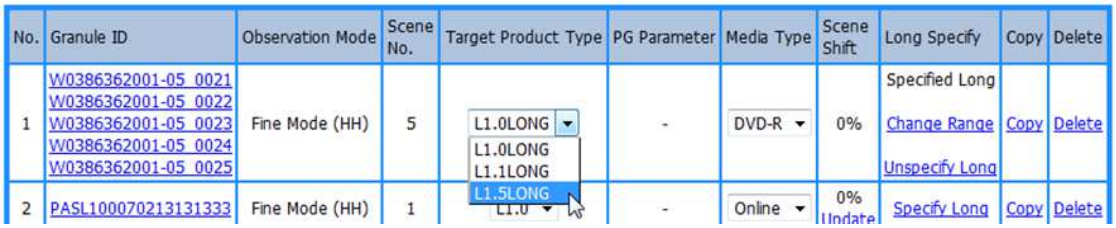


Fig. 2.8.2.3-6 [Product Order] screen – Product List (After specifying LONG)

c-3) Specify Detailed Product Generation Parameters (PG Parameters)

When L1.5 from [Target Product Type] list is selected, detailed Product Generation parameters are shown at [PG Parameter] field and can be specified. In order to specify PG Parameter, click [Update] link at [PG Parameter] field. PG Parameter specify screen displays.

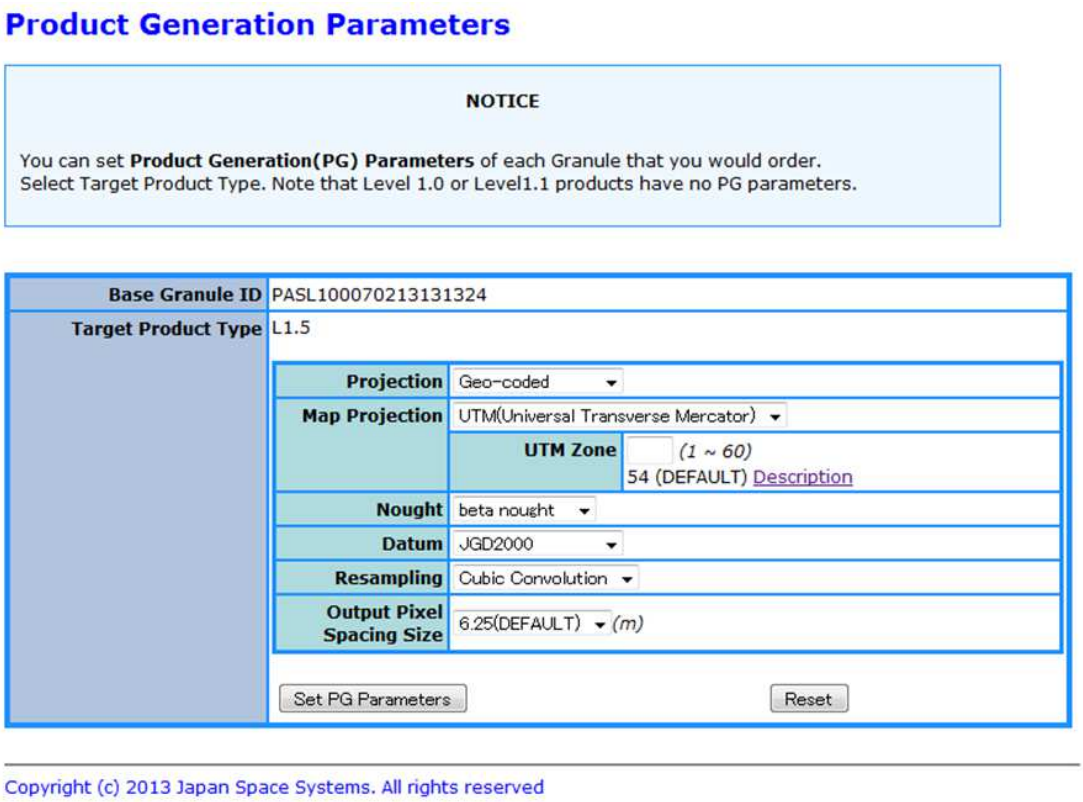


Fig. 2.8.2.3-7 [PG Parameters]

The contents of [Target Product Type] are as follows.

<Projection>

Select Projection. After selecting either projection from projection list of [Geo-Coded], [Geocoded Ortho], and [Geo-referenced], Product Generation Parameters screen corresponding to each projection is displayed. However, selectable projection for LONG product is [Geo-referenced].

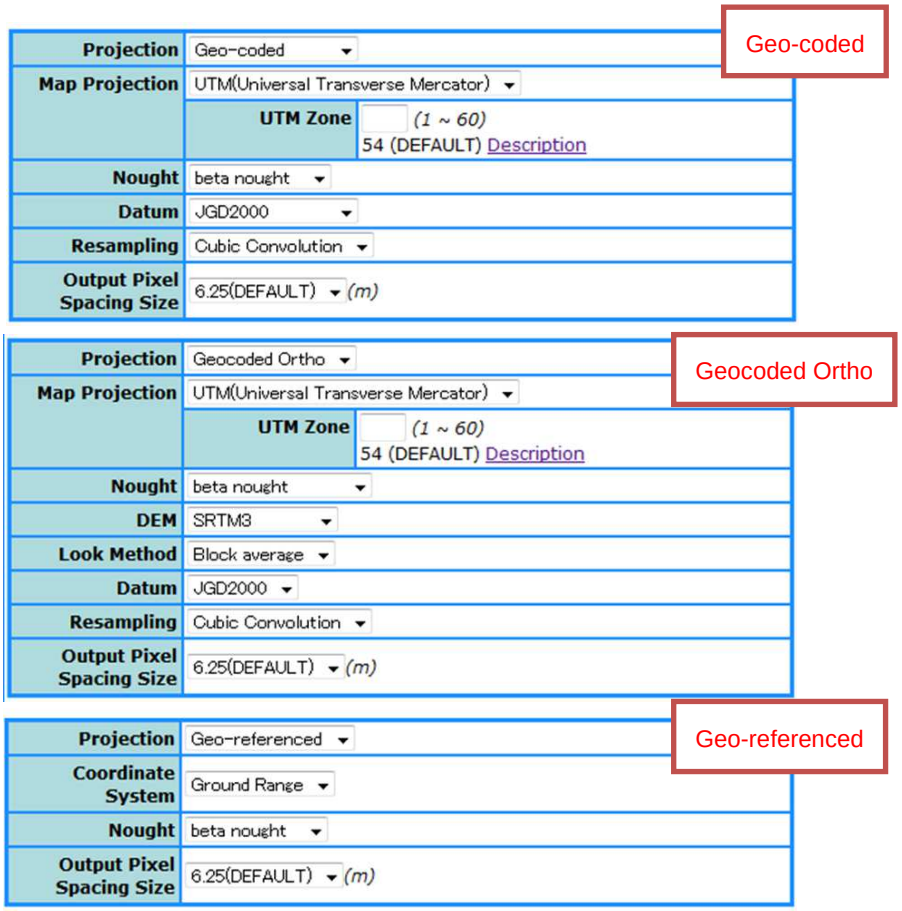


Fig. 2.8.2.3-8 PG Parameters for each Projection

Selectable PG parameters differ per each projection. Selectable PG parameters for each projection are as follows.

Table 2.8.2.3-3 Selectable PG Parameters for each projection (L1.5)

Projection	Product Generation Parameters (PG Parameters)							
	Map Projection	Nought	DEM	Look Method	Datum	Resampling	Output Pixel	Coordinate System
Geo-coded	○	○	-	-	○	○	○	-
Geocoded Ortho	○	○	○	○	○	○	○	-
Geo-referenced	-	○	-	-	-	-	○	○

In case of no DEM, even if [Map projection] is selected, the following message appears

and [Map Projection] cannot be selected. The range of DEM is from 60 degrees North to 56 degrees South; the range of ASTER GDEM is from 83 degrees North to 83 degrees South.

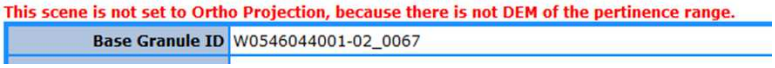

This scene is not set to Ortho Projection, because there is not DEM of the pertinence range.
Base Granule ID
W0546044001-02_0067

Fig. 2.8.2.3-9 [PG Parameters]・Display without DEM

<Map Projection>

Select a Map Projection from the List.

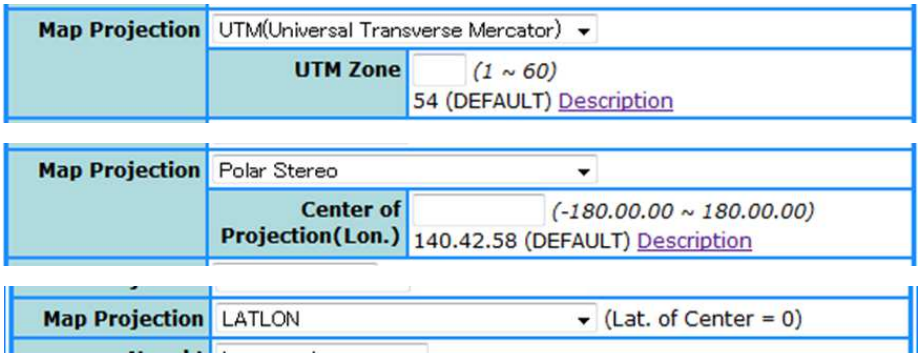


Fig. 2.8.2.3-10 Map Projection

<Coordinate System>

Select a Coordinate System from the List.

Fig. 2.8.2.3-11 Coordinate System

<Nought>

Select a Nought from the List.

Fig. 2.8.2.3-12 Nought

<DEM>

Select a DEM from the List.

Fig. 2.8.2.3-13 DEM

<Look Method>

Select a Look Method from the List.

Fig. 2.8.2.3-14 Look Method

<Datum>

Select a Datum from the List.

Fig. 2.8.2.3-15 Datum

<Resampling>

Select a Resampling from the List.

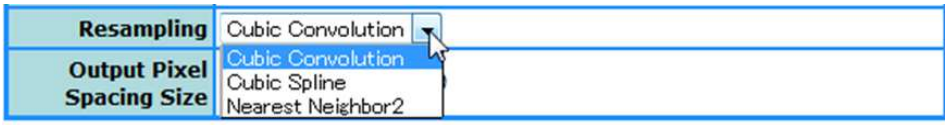


Fig. 2.8.2.3-16 Resampling

<Output Pixel Spacing Size >

Select an Output pixel spacing size from the List.

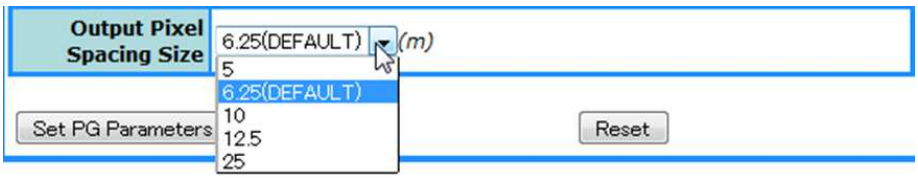


Fig. 2.8.2.3-17 Output pixel spacing size

<Set and Reset Product Generation Parameters Specification>

By clicking [Set PG Parameters] button, PG Parameters with specified conditions are set and [Product Order] screen appears. To click [Reset] button, specified conditions to each

field are reset and [Product Generation Parameters] screen is displayed.

d-1) Specify Level 4.1 to Target Product Type

Specify L4.1 from [Target Product Type] list.

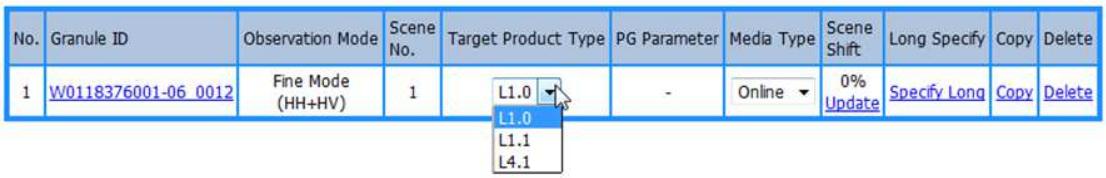


Fig. 2.8.2.3-18 Product Order screen – Product List

d-2) Specify Level 4.1 (LONG) to Target Product Type

After selecting L4.1 by d-1) procedure, [Long Specify] screen is displayed by clicking [Specify Long] link on [Long Specify] field. Then, perform [Long Specify] on specify Long screen by the same procedure as a-2). At this time, [Specify Long] link may not be displayed. For L4.1, [Specify Long] is shown only when projection of [PG Parameter] is [Geo-referenced]. In case [Specify Long] link does not appear, set [Projection] to [Geo-referenced] by PG Parameter specify. About PG Parameter specify, see 「d-3) Specify Detailed Product Generation Parameters」. Perform [Long Specify] on specify Long screen by the same procedure as a-2). The Target Product Type performed by Long specify becomes L4.1 LONG, and the specified granule ID is shown at [Granule ID] field. Also, due to [LONG Product] list changed from the [Target Product] list, LONG product is selectable from the [LONG Product].

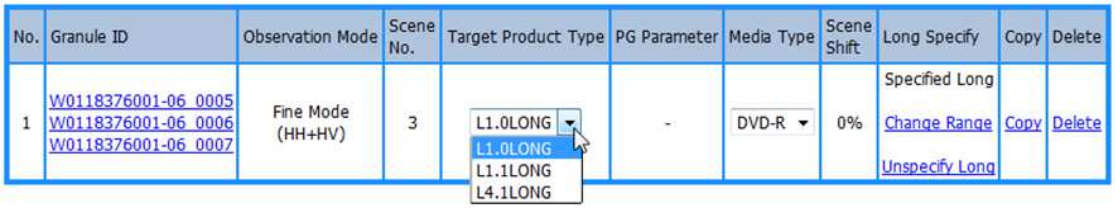


Fig. 2.8.2.3-19 Product Order screen – Product List (After specifying [LONG])

d-3) Set Detailed Product Generation Parameters

When L4.1 from [Target Product Type] list is selected, detailed Product Generation parameters are shown at [PG Parameter] field and can be specified. In order to specify PG Parameter, click [Update] link at [PG Parameter] field. PG Parameter specify screen displays.

How to set at PG parameter specify screen is the same as c-3). However, selectable PG parameter per each projection differs from c-3).

For L4.1, selectable PG parameters for each projection are as follows

Table 2.8.2.3-4 Selectable PG Parameters for each Projection (L4.1)

Projection	Product Generation Parameters (PG Parameters)							
	Map Projection	Nought	DEM	Look Method	Datum	Resampling	Output Pixel	Coordinate System
Geo-coded	○	○	-	-	○	○	○	-
Geocoded Ortho	○	○	○	○	○	○	○	-
Geo-referenced	-	○	-	-	-	-	-	○

e-1) Specify Level 4.2 to Target Product Type

Specify L4.2 from [Target Product Type] list.

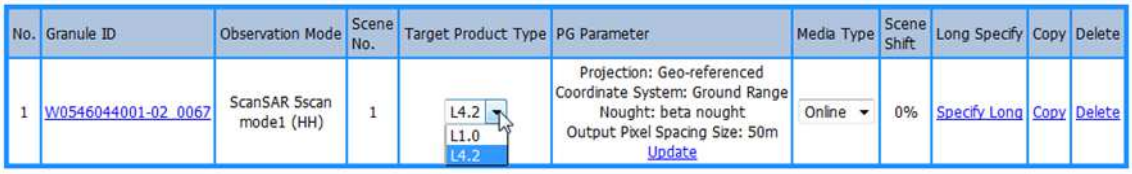


Fig. 2.8.2.3-20 Product Order screen – Product List

e-2) Specify Level 4.2 (LONG) to Target Product Type

After selecting L4.2 by e-1) procedure, [Long Specify] screen is displayed by clicking [Specify Long] link on [Long Specify] field. Then, perform [Long Specify] on specify Long screen by the same procedure as a-2). At this time, [Specify Long] link may not be displayed. For L4.2, [Specify Long] is shown only when projection of [PG Parameter] is [Geo-referenced]. In case [Specify Long] link does not appear, set [Projection] to [Geo-referenced] by PG Parameter specify. About PG Parameter specify, see 「d-3) Specify Detailed Product Generation Parameters」. Perform [Long Specify] on specify Long screen by the same procedure as a-2). The Target Product Type performed by Long specify becomes L4.2 LONG, and the specified granule ID is shown at [Granule ID] field. Also, due to [LONG Product] list changed from the [Target Product] list, LONG product is selectable from the [LONG Product].

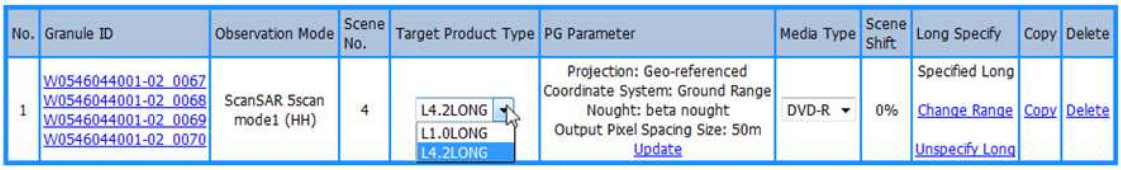


Fig. 2.8.2.3-21 Product Order screen – Product List (After specified LONG)

e-3) Set Detailed Product Generation Parameter

When L4.2 from [Target Product Type] list is selected, detailed Product Generation parameters are shown at [PG Parameter] field and can be specified. In order to specify PG Parameter, click [Update] link at [PG Parameter] field. PG Parameter specify screen displays.

How to set at PG parameter specify screen is the same as c-3). However, selectable PG parameter per each projection differs from c-3).

For L4.2, selectable PG parameters for each projection are as follows.

Table 2.8.2.3-5 Selectable PG Parameters for each Projection (L4.2)

Projection	Product Generation Parameters (PG Parameters)							
	Map Projection	Nought	DEM	Look Method	Datum	Resampling	Output Pixel	Coordinate System
Geo-coded	○	○	-	-	○	○	○	-
Geo-Coded Ortho	○	○	○	○	○	○	○	-
Geo-referenced	-	○	-	-	-	-	○	○

2.8.2.4. Select Media Type

Select media type for product distribution. Choose the desirable media of either DVD-R or Online from [Media Type] list. In addition, selectable media type for LONG product is DVD-R only.

Fig. 2.8.2.4-1 Select media type

2.8.2.5. Modify a Percentage of Scene Shift

By setting the percentage of scene shift, product order for a product set by scene shift is performed. Click [Update] link of [Scene Shift] field. [Scene Shift Setting] screen appears.

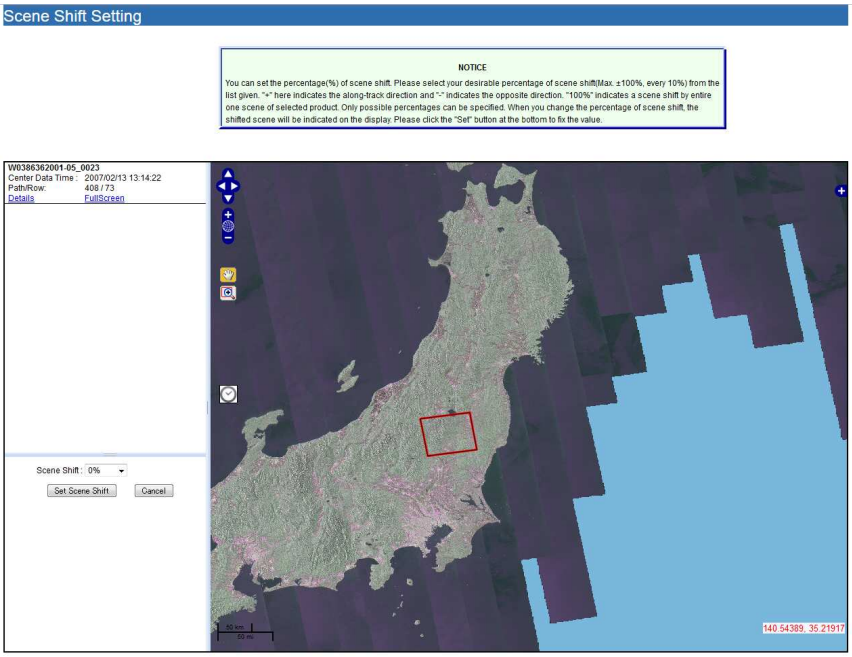

Scene Shift Setting
NOTICE
You can set the percentage(%) of scene shift. Please select your desirable percentage of scene shift(Max. ±100%, every 10%) from the list given. "+" here indicates the along-track direction and "-" indicates the opposite direction. "100%" indicates a scene shift by entire one scene of selected product. Only possible percentages can be specified. When you change the percentage of scene shift, the shifted scene will be indicated on the display. Please click the "Set" button at the bottom to fix the value.
W0386362001-05_0023
Center Data Time : 2007/02/13 13:14:22
Path/Row: 408 / 73
Details
FullScreen
Scene Shift : 0%
Set Scene Shift
Cancel
140.54389, 35.21917

Fig. 2.8.2.5-1 [Scene Shift Setting] screen

Set the percentage (%) of scene shift in combo box. In the range of 「-100%～100%」 along-track direction, a percentage can be set by every 10%. 「+100%」means the scene of one ahead along-track direction; on the other hand,「-100%」means the scene of one after along-track direction.

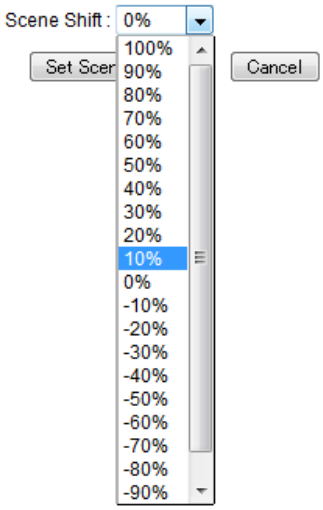


Fig. 2.8.2.5-2 Specify scene shift

Depending on the specified percentage of scene shift, the scene set by scene shift is shown on a map.

Fig. 2.8.2.5-3 Map display when applying scene shift

The percentage selected in combo box is set by clicking [Set Scene Shift] Also, when clicking [Cancel] button, setup conditions are reset and move back to [Product Order] screen.

Scene shift setting is not applicable for Wide Observation swath mode in [Observation Mode] and LONG product in [Target Product Type].

2.8.2.6. Specify LONG Product

In order to require a product as LONG product, click [Specify Long] link at [Long Specify] field of product list. [Long Data Set] screen appears and specifying LONG product can perform.

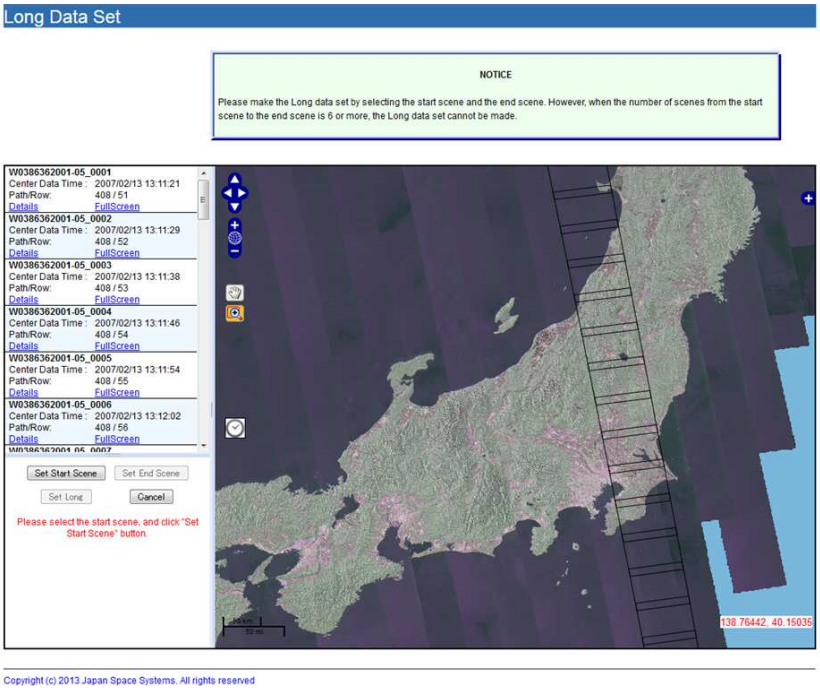

Long Data Set
NOTICE
Please make the Long data set by selecting the start scene and the end scene. However, when the number of scenes from the start scene to the end scene is 6 or more, the Long data set cannot be made.
W0386362001-05_0001
Center Data Time : 2007/02/13 13:11:21
Path/Row: 408 / 51
Details FullScreen
W0386362001-05_0002
Center Data Time : 2007/02/13 13:11:29
Path/Row: 408 / 52
Details FullScreen
W0386362001-05_0003
Center Data Time : 2007/02/13 13:11:38
Path/Row: 408 / 53
Details FullScreen
W0386362001-05_0004
Center Data Time : 2007/02/13 13:11:46
Path/Row: 408 / 54
Details FullScreen
W0386362001-05_0005
Center Data Time : 2007/02/13 13:11:54
Path/Row: 408 / 55
Details FullScreen
W0386362001-05_0006
Center Data Time : 2007/02/13 13:12:02
Path/Row: 408 / 56
Details FullScreen
Set Start Scene
Set End Scene
Set Long
Cancel
Please select the start scene, and click "Set Start Scene" button.
138.76442, 40.15035
Copyright (c) 2013 Japan Space Systems. All rights reserved

Fig. 2.8.2.6-1 Long specify screen

First, select the start scene from entries or on map and then click [Set Start Scene] button at the lower part of left side menu list.

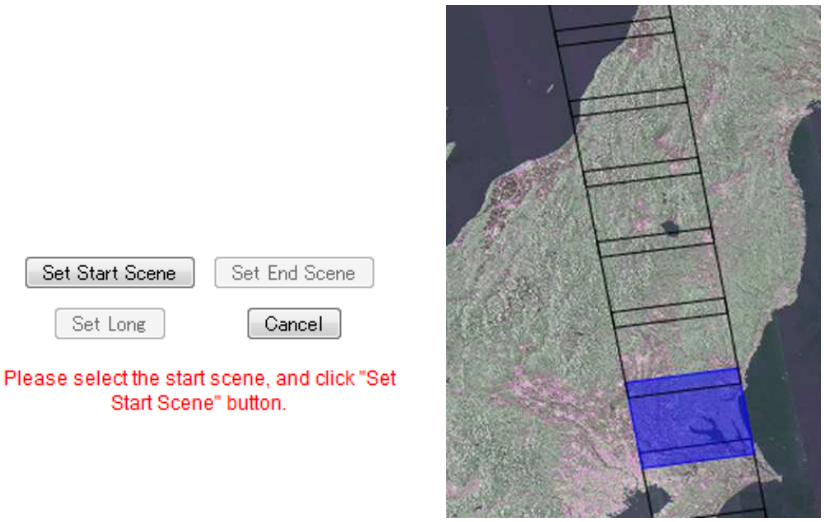


Fig. 2.8.2.6-2 Set start scene of LONG product

Next, select the end Scene from entries or on map and then click [Set End Scene] button at the lower part of left side menu list.

Fig. 2.8.2.6-3 Set end scene of LONG product

At the end, when clicking [Set Long] button, product order of LONG product from the start scene to the end scene performs and [Product Order] screen is shown again. In addition, the numbers of scenes selectable for Long specify is set only in the range of 5 or less scenes.

By clicking [Cancel] button, the conditions of LONG product specify are cancelled and [Product Order] screen appears again.

After setting Long, the display of [Long Specify] field of Product Order list is changed as below.

Fig. 2.8.2.6-4 [Long Specify] field after specified Long

After clicking [Change Range] link, [Long Data Set] screen is displayed and the range of LONG product can be modified. Also, the specified long is cancelled by clicking [Unspecify Long].

2.8.2.7. Copy Product Processing Parameters and Media Type

The conditions specified by PG Parameters and Media Type can be copied. Copy can be

performed to the product whose PG parameters and media type are copiable.

For copying, click [Copy] link of [Copy] field of base product in product list on [Product Order] screen. The following [Select Copy] screen is displayed.

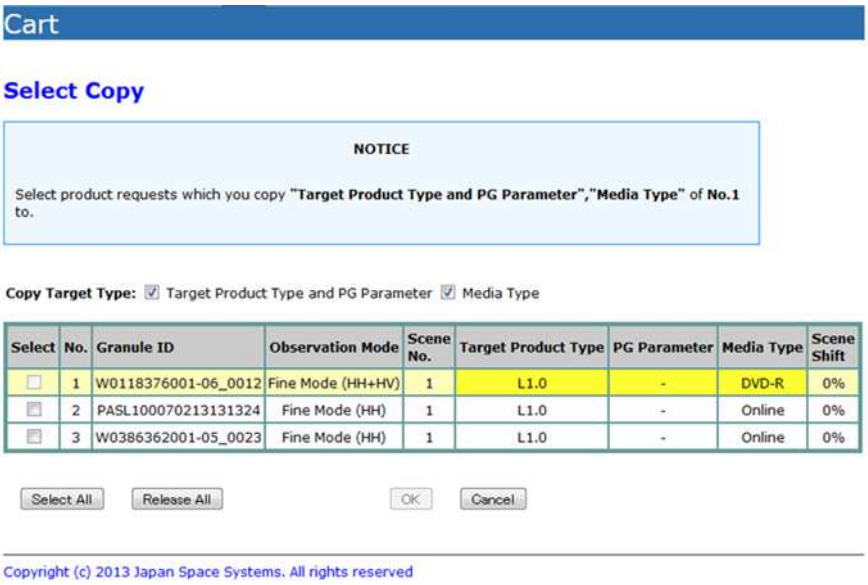

Cart
Select Copy
NOTICE
Select product requests which you copy "Target Product Type and PG Parameter","Media Type" of No.1 to.
Copy Target Type: Target Product Type and PG Parameter Media Type
Select
No.
Granule ID
Observation Mode
Scene No.
Target Product Type
PG Parameter
Media Type
Scene Shift
1 W0118376001-06_0012 Fine Mode (HH+HV) 1 L1.0 - DVD-R 0%
2 PASL100070213131324 Fine Mode (HH) 1 L1.0 - Online 0%
3 W0386362001-05_0023 Fine Mode (HH) 1 L1.0 - Online 0%
Select All
Release All
OK
Cancel
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Fig. 2.8.2.7-1 [Select Copy]

First, select [Copy Target Type]. Check the item of [Target Product Type], [PG Parameter], or [Media Type] applicable to a copy. By checking [Copy Target Type], after selecting [Copy Target Type], [Select] field added on product list are displayed on copiable product field. Then, check the product applicable to a copy. All the boxes of [Select] field are checked by [Select All] button; while, all the checked box of [Select] are reset by [Release All] button.

By checking the product applicable to a copy and pushing [OK] button, the selected [Copy Target Type] condition is copied to the product checked at [Select Copy] screen and [Product Order] screen appears. In case of clicking [Cancel] button, copying does not perform and [Product Order] screen is displayed again.

2.8.2.8. Delete Product Order

In order to delete a product order from product list, click [Delete] link of [Delete] field. The selected product is deleted from [Cart],

2.8.2.9. Make Cart Empty

In order to make a cart empty, click [Empty Your Cart] in the product list lower part. The dialog [Are you sure to empty your cart?] appears, click [OK] button for empty your cart; and click [キャンセル] button for cancel empty your cart.

2.8.2.10. Display Expected Day of Completion and Cost Estimate

When clicking [Quotation & Shipping Estimate] button at [Cart] screen, [Shipping Estimate & Quotation] screen is displayed at other window, and shipping estimate and total quotation of ordered products can be confirmed.

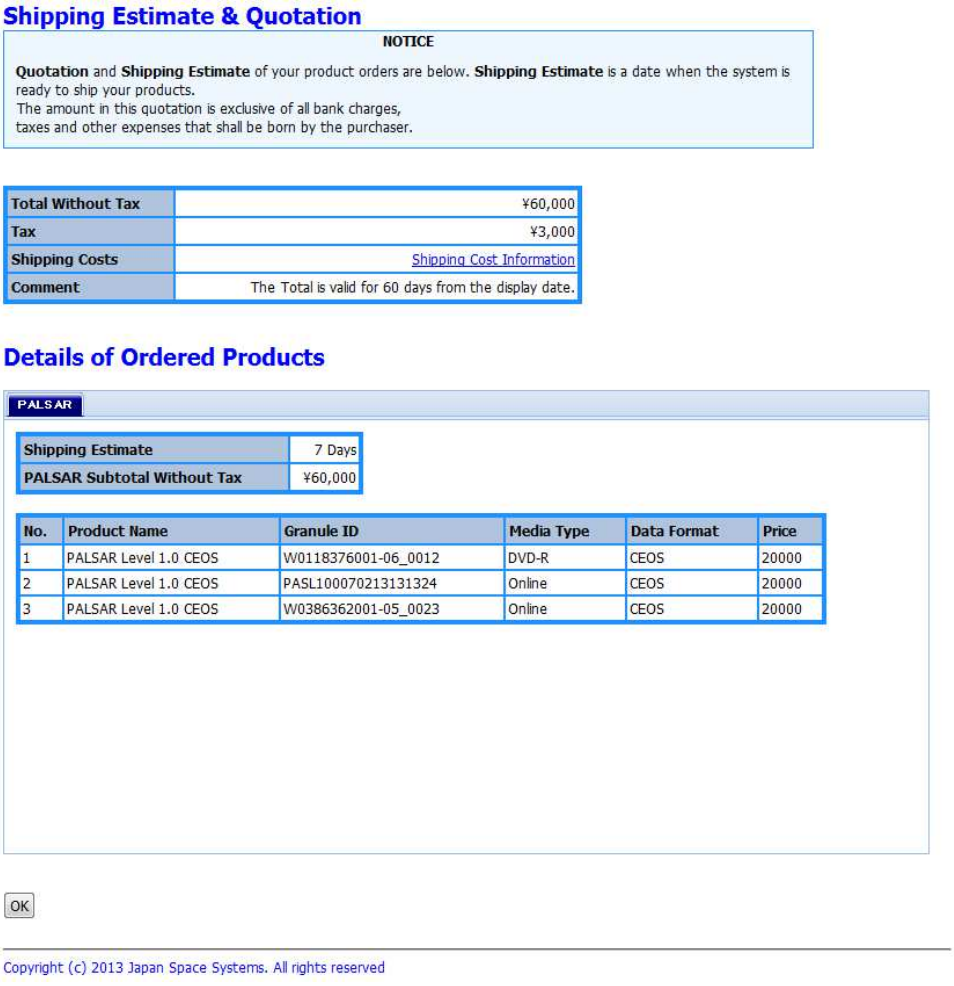
Shipping Estimate & Quotation
NOTICE
Quotation and Shipping Estimate of your product orders are below. Shipping Estimate is a date when the system is ready to ship your products.
The amount in this quotation is exclusive of all bank charges,
taxes and other expenses that shall be born by the purchaser.
Total Without Tax ¥60,000
Tax ¥3,000
Shipping Costs Shipping Cost Information
Comment The Total is valid for 60 days from the display date.
Details of Ordered Products
PALSAR
Shipping Estimate 7 Days
PALSAR Subtotal Without Tax ¥60,000
No. Product Name Granule ID Media Type Data Format Price
1 PALSAR Level 1.0 CEOS W0118376001-06_0012 DVD-R CEOS 20000
2 PALSAR Level 1.0 CEOS PASL100070213131324 Online CEOS 20000
3 PALSAR Level 1.0 CEOS W0386362001-05_0023 Online CEOS 20000
OK
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Fig. 2.8.2.10-1 [Shipping Estimate & Quotation]

The window is closed by [OK] button.

2.8.2.11. Order Products

At [Product Order] screen, [Order Confirmation] screen is shown by clicking [Submit DPR] button and the contents of the product to order can be confirmed.

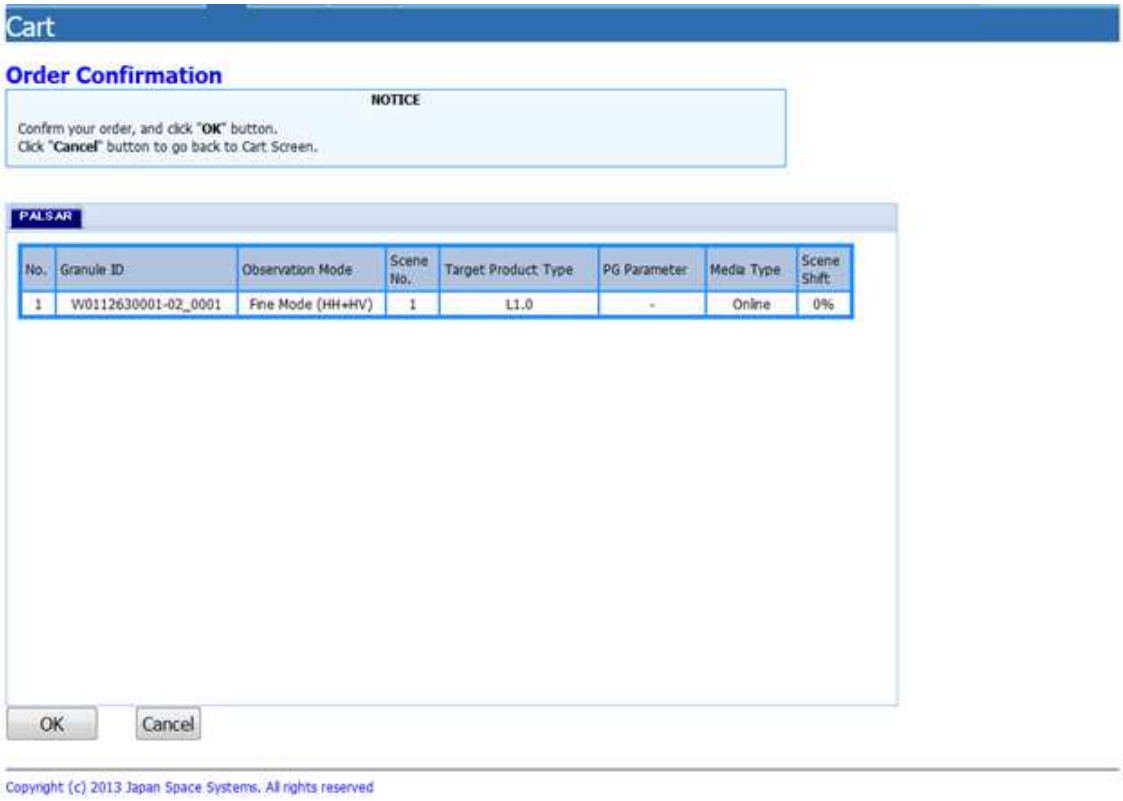

Fig. 2.8.2.11-1 [Order Confirmation]

Push [OK] button if there is no problem in displayed product order list. After confirmed product order, [Select Payment Method] screen appears. In order to modify product order, push [Cancel] button. [Product Order] screen is shown again, and product order can be modified.

2.8.2.12. Select Field of Product

When clicking [OK] button at [Order Confirmation] screen, [Societal Benefit Areas] screen is displayed. At [Field of Product] screen, select utilization purpose of the data to order for [Field of Product] list.

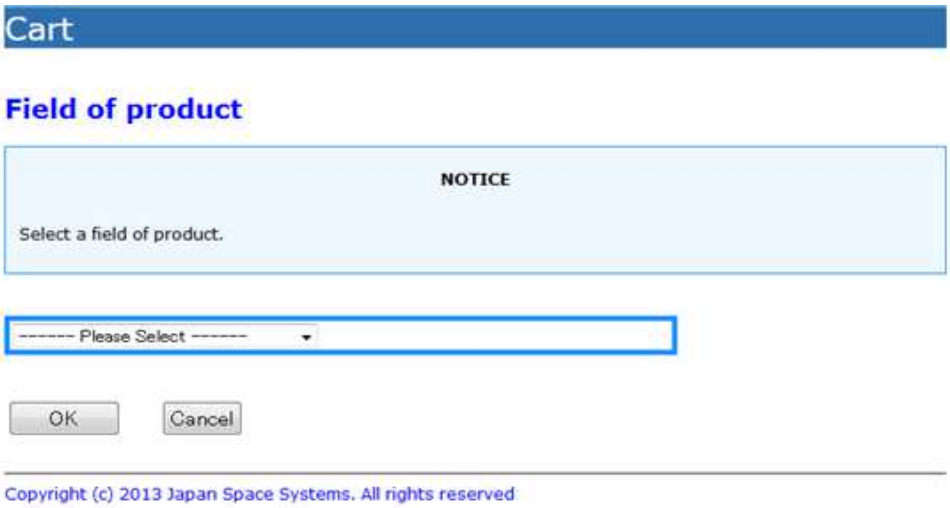

Fig. 2.8.2.12-1 [Field of product]

Select a field of product of data to order from the following list. Selecting a field of product is required.

Table 2.8.2.12-1 List of [Field of product]

No.	Content	No.	Content
1	Resource (Oil/Mineral)/Energy	11	Civil Engineering
2	Science	12	Manufacturing
3	Education	13	Software
4	Disaster Prevention	14	Remote Sensing/GIS/Applications
5	Environment	15	Telecommunication
6	Ocean	16	,Mass Media
7	Meteorology	17	Finance/Insurance
8	Forestry	18	Medical/Health
9	Agriculture	19	Pleasure/Trips
10	Fishery	20	Others

Select one from [Field of product] list and push [OK] button, selected societal benefit area is confirmed and then moves to payment method screen, On the other hand, by pushing [Cancel] button, the selected field of product is cancelled and [Product order] screen appears.

2.8.2.13. Select Payment Method

By click [OK] button at [Field of product] screen, [Payment Method] screen appears and

payment method can be selected.

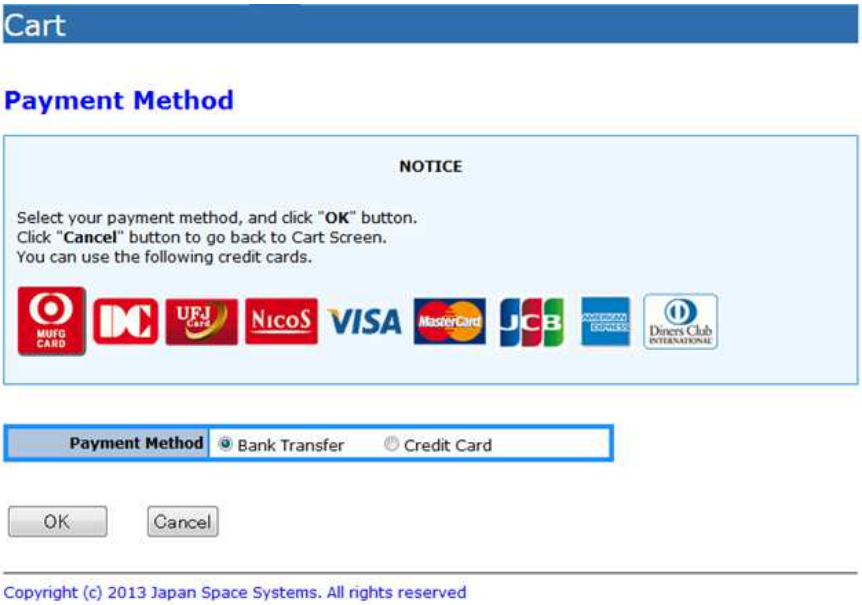

Fig. 2.8.2.13-1 [Payment Method]

Select a payment method from [Bank Transfer] and [Credit Card].

In case of bank transfer, check [Bank Transfer] at [Payment Method]. After clicking [OK] button, DPR is accepted and [Product Order Complete] is displayed. That is all for the order procedure.

Select [Credit Card] and click [OK] button to pay with your credit card. Your DPR is submitted when you click [OK] button. Click [Credit Card Payment Form] button to visit the payment site, follow the site's instruction and complete your payment.

By clicking [Cancel] button, selected payment method is cancelled and returns to [Product Order] screen.

The credit card settlement representation service is offered by ZEUS Co. Ltd.. At this service screen, follow the instruction and enter your credit card information. If ordered product is not generated by some kind of system failure, the payment is not completed. While your payment is succeeded, User service of ASTER/PALSAR GDS announces accepted your DPR information by email. You will never receive email announcements from User Service while your email address was incorrect. We strongly recommend you to check your User Profile. T

2.9. Data Product Request Status / Cancellation

2.9.1. Display DPR Status

Under login to the user account of [ASTER/PALSAR Search], users can check their own DPR history on [DPR Status] scree, Click [DPR Status] on each screen to chek your DPRs.

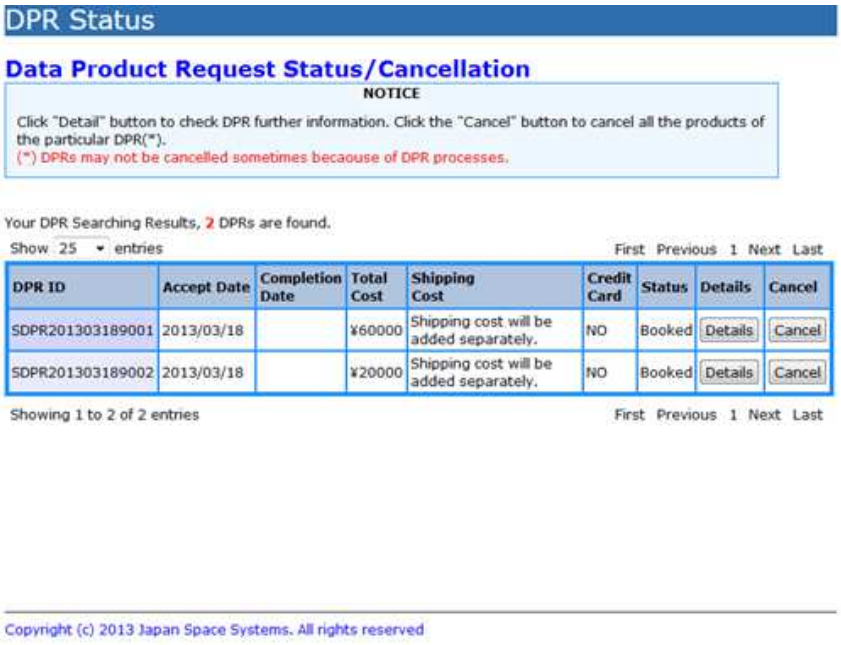

Fig. 2.9-1 [Data Product Request Status / Cancellation] screen

On [DPR Status], users can check their own DPR history. including DPR status of processing DPRs. The number of entries on list display at a time can be changed by pull-down menu in [Show ** Entries] field at the upper left of list display with pull-down menu. In case there are DPRs more than selected. In order to switch a page, use the link at the upper right and bottom right in product list. By clicking page number, DPR list at the clicked page is shown. Also, by clicking [Previous] or [Next], the current page jumps to its previous page or its next page, respectively. In case of clicking [First] or [Last], the current page moves to the first page or last page, respectively.

Users can check whole information of each DPR by clicking [Details] button on the list. Users can cancel unpaied DPR from the list. ; DPR can be cancelled if its DPR status is [Booked] at [Status] field DPR in other status cannot be cancelled.

Tthis service is available only for DPR ordered at [ASTER/PALSAR Unified Search].

2.9.2. Refer to Detailed DPR Information

Click [Details] on [Details] screen to list DPRs, and check your DPRs.

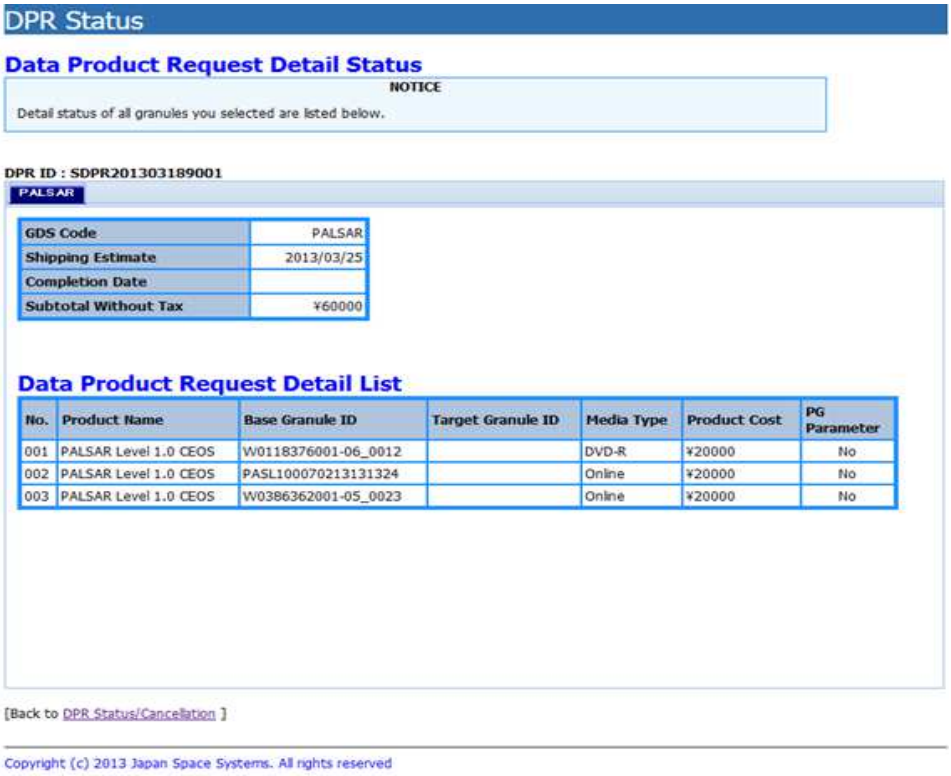
DPR Status
Data Product Request Detail Status
NOTICE
Detail status of all granules you selected are listed below.
DPR ID : SDPR201303189001
PALSAR
GDS Code PALSAR
Shipping Estimate 2013/03/25
Completion Date
Subtotal Without Tax ¥60000
Data Product Request Detail List
No. Product Name Base Granule ID Target Granule ID Media Type Product Cost PG Parameter
001 PALSAR Level 1.0 CEOS W0118376001-06_0012 DVD-R ¥20000 No
002 PALSAR Level 1.0 CEOS PASL100070213131324 Online ¥20000 No
003 PALSAR Level 1.0 CEOS W0386362001-05_0023 Online ¥20000 No
[Back to DPR Status/Cancellation]
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Fig. 2.9.2-1 DPR Status Screen

At [DPR Product Request Detail Status] screen, select DPR to show its more information. [Product Name], [Base Granule ID], [Target Granule ID], and [Product Price] can be checked. Push [>>] button at [PG Parameter] field in DPR detail list, [PG Parameters Details] screen displayed at other window and the contents of PG parameters specified at the time of order for its product can be confirmed. In case of unspecified parameters at the time of an order, [NO] is displayed in [PG Parameter] field and [PG Parameters Details] screen cannot be shown.

2.9.3. Refer to Product Generation Parameter

By clicking [>>] button in [Product Generation Parameter] field of DPR details list at [DPR Details] screen, users can check parameters of each product of DPR.

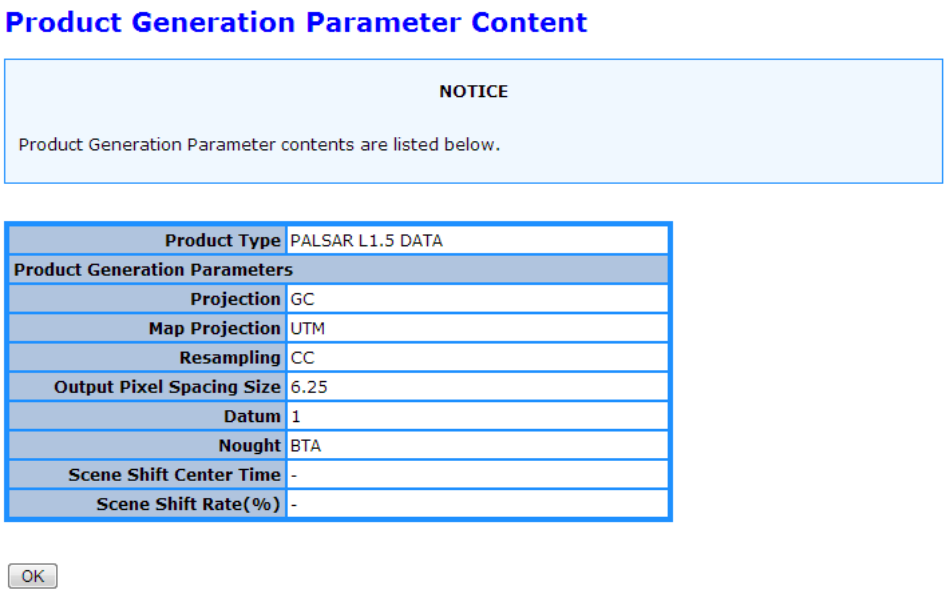


Fig. 2.9.3-1 [Product Generation Parameter Content]

About selected product, Product Generation Parameters specified to [Product Order] screen when ordering can be confirmed.

Parameter screen is closed by clicking [OK] button.

3. Operations on Map

The map is used to specify search area and confirm search result.

3.1. Display Latitude and Longitude of Mouse Position

When mouse is placed on the map, the latitude and longitude of its position is shown on the right bottom of the map.

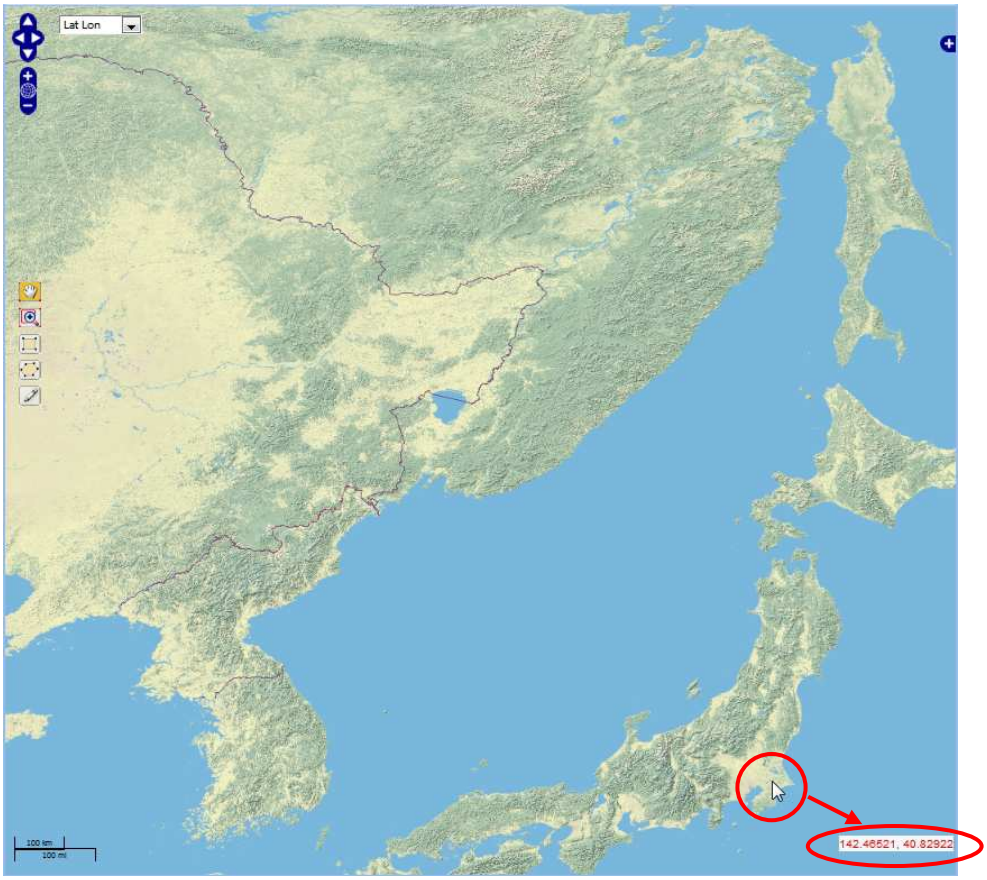


Fig. 3.1-1 Latitude and Longitude of the Mouse Position

3.2. Zoom-in and Zoom-out

The following functions are available to zoom-in and zoom-out the map

- ＋－buttons
- A mouse wheel
- A magnifier icon (for zoom-in only)
- Double-click on the map to zoom-in

[＋－Button]

The displayed area is zoomed in or out with the area in the center, when clicking +- buttons on top left of the map. Also, when clicking the globe icon between + and - buttons, the map shows the whole world..

[Mouse Wheel]

When a mouse wheel is turned upward, the map is zoomed in with the area in the center. Or, when it is turned downward, the map is zoomed out with the area in the center.

[Magnifier Icon]

Magnifier Icon can zoom in the specified area. Click it in the middle of left side of map area, and dragging on the map. These actions make the map zoomed in.

This function is available for zoom-in only.

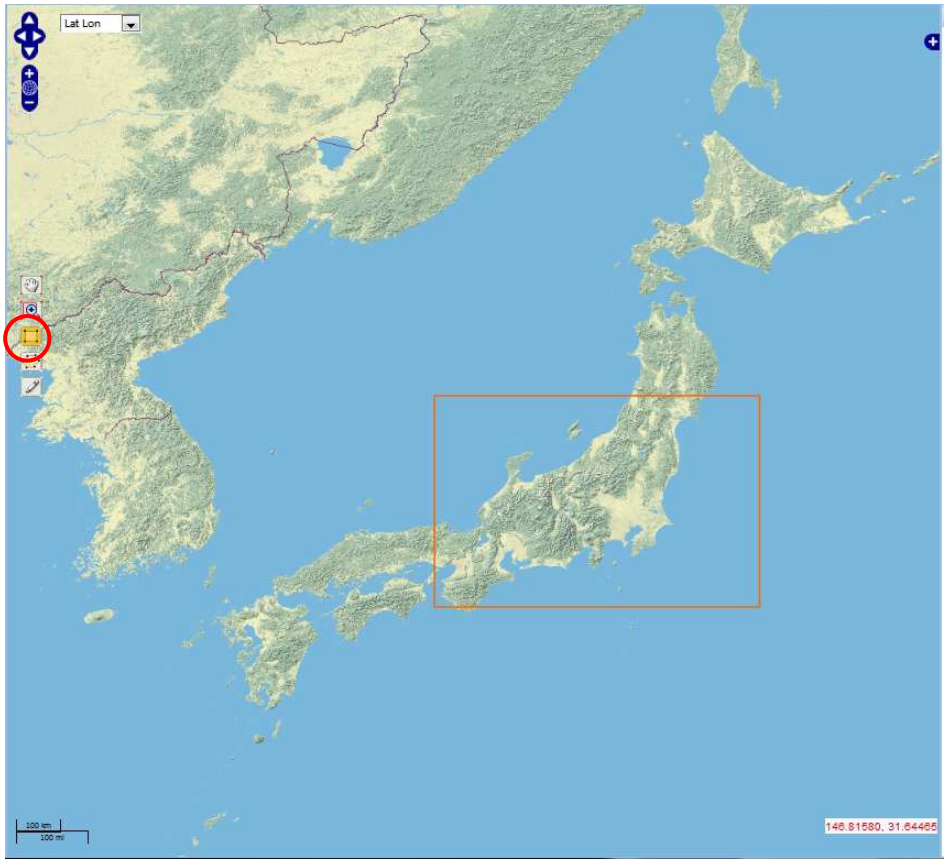


Fig. 3.2-1 Specify an Area to Zoom-in by Magnifier Icon

[Double-clickon the Map]

Double-click a mouse on the map to zoom in.

3.3. Move Area on the Map

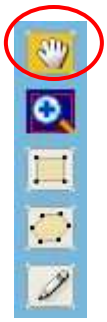
- Arrow Buttons
- Palm Icon

[Arrow Buttons]

Click the arrows of right, left, up and down on top left of the map to move area.

[Palm Icon]

Palm Icon can move the map area by dragging mouse on the map. Click the palm icon in the middle of left side on map areaand drag the mouse to move the map.



3.4. Select Map Projection

Select the map projection. Combo box to show the available map projections is on top of the map. Select a map projection from this combo box tochange the projection.

- Lat Lon：Uniform Lon/Lat（EPSG:4326）
- North Pole：Polar Stereographic in North[E4]（EPSG: 32661）
- South Pole：Universal Polar Stereographic in South （EPSG: 32761）

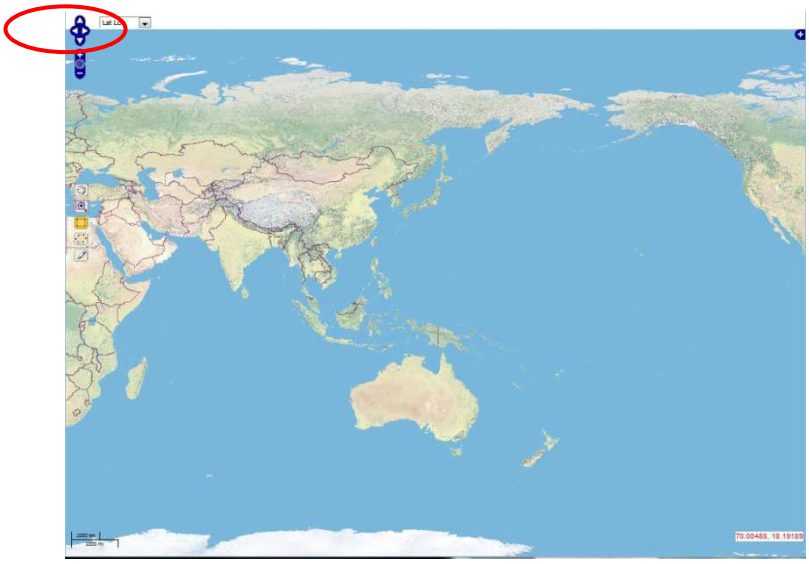


Fig. 3.4-1 Example of the Map Display While Lat/Lon Selecyed

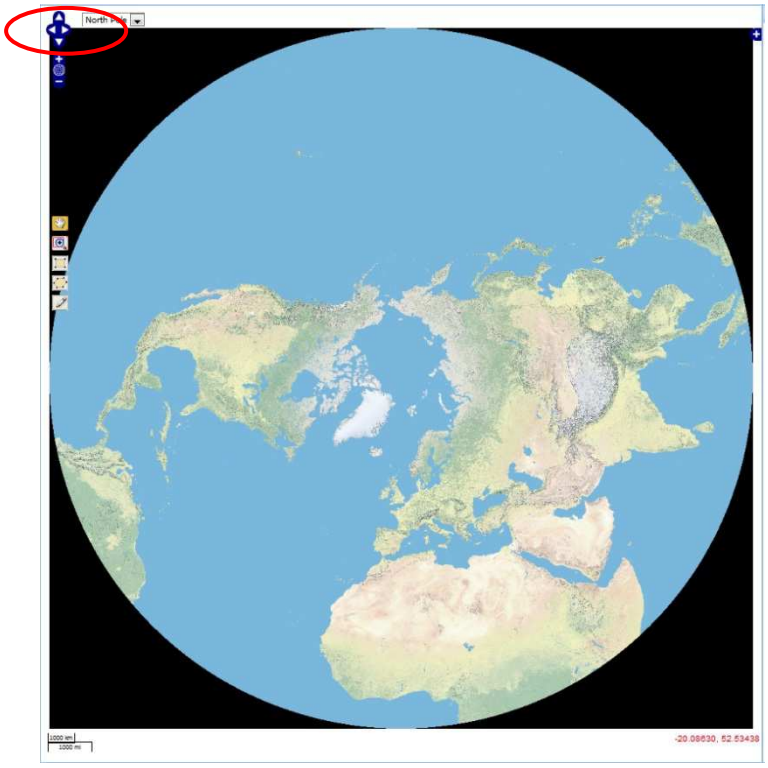


Fig. 3.4-2 Example of the Map Display While Poar Stereographic in North Is Selected

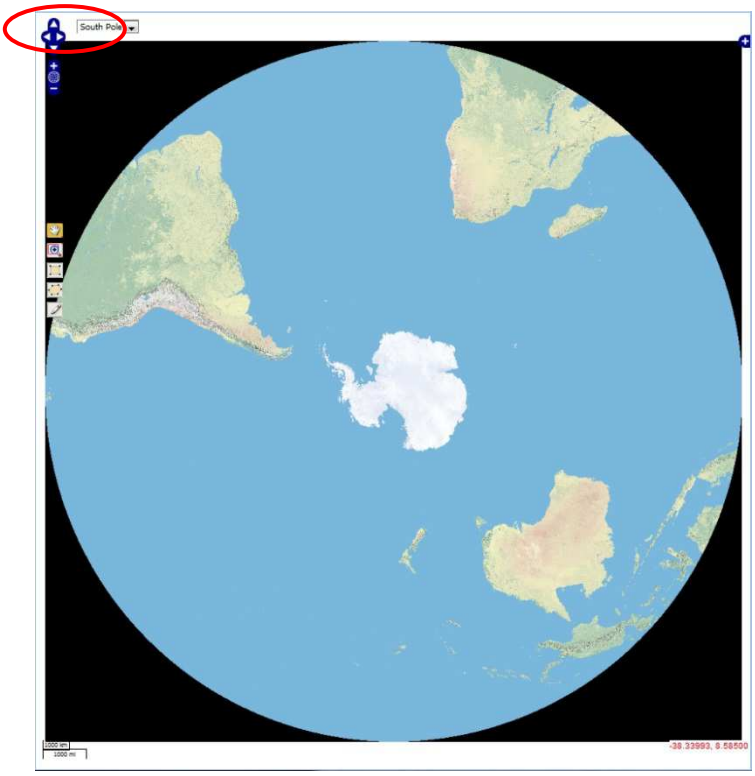


Fig. 3.4-3 Example of the Map Display While Poar Stereographic in South Is Selected

3.5. Specify AOI in Rectangle

Click the icon as marked as a rectangle in the middle of left side of the map to draw AOI in a rectangle..

Fig. 3.5-1 Specify AOI in a Rectangle

3.6. Specify Search Area in Polygon

Click the icon as marked as a polygon in the middle of left side of the map to draw a polygon as AOI on the map. Each vertex of the polygon can be specified by clicking a mouse. To close the polygon, double-click the mouse. Number of polygon's vertex have to be between 3 and 1000.

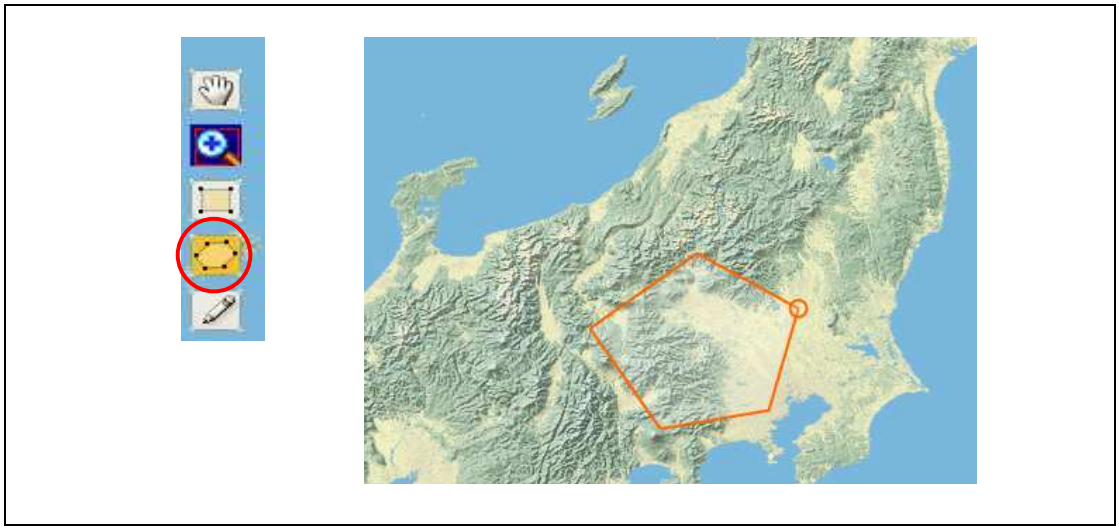


Fig. 3.6-1 AOI in a Polygon

Click the pencil icon to edit the polygon. Vertex can be changed when moving a vertex (indicated in unfilled circle) with a mouse. Vertex can be added by moving the point between two vertex (indicated in filled circle) with the mouse.

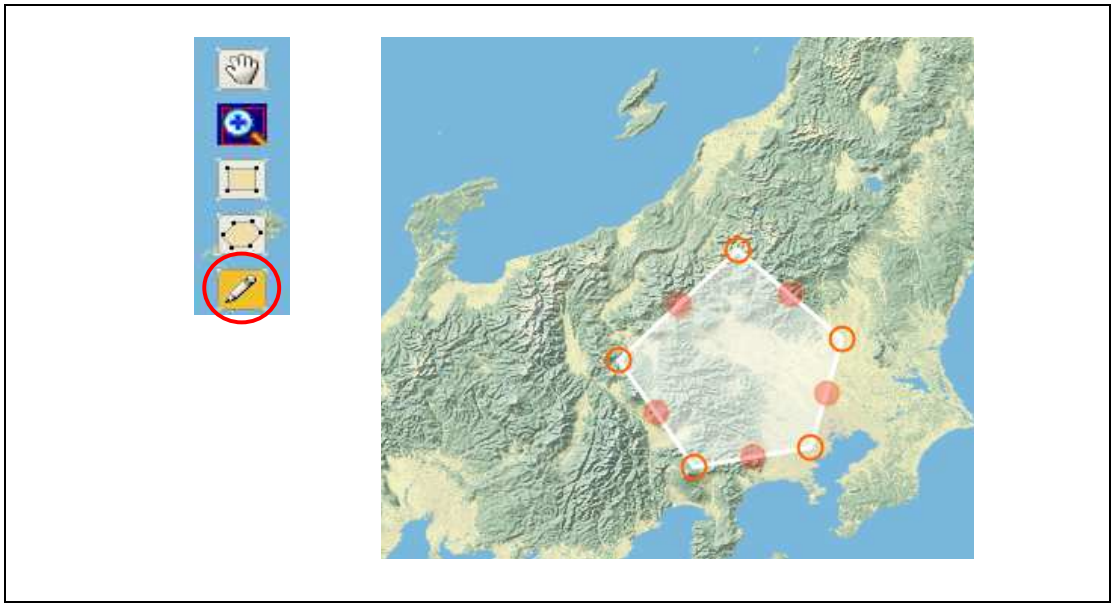


Fig. 3.6-2 Edit the Polygon

Users cannot draw a polygon area across 180-degree in the longitude.

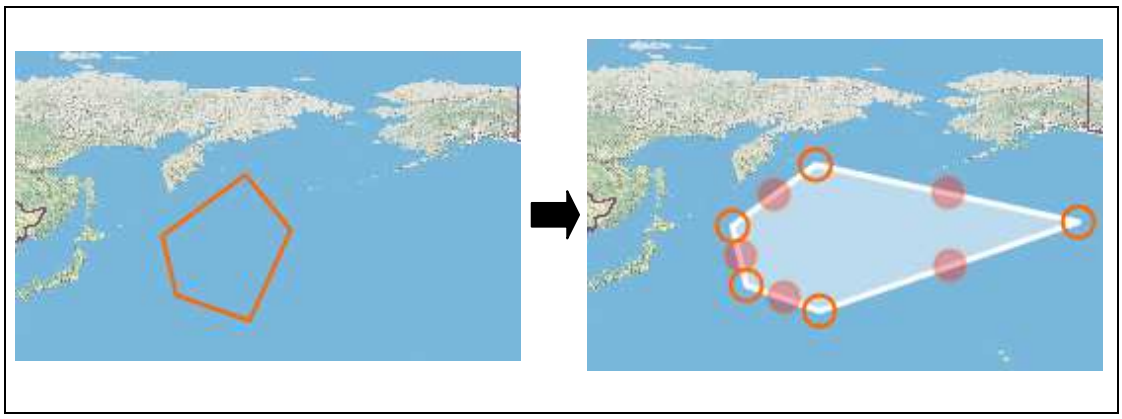


Fig. 3.6-3 Draw the polygon area across the longitude 180 degrees

3.7. Switch Layers

Map layers can be switched. To switch layers, click [+] mark and spread out the menu on the top right of the map.

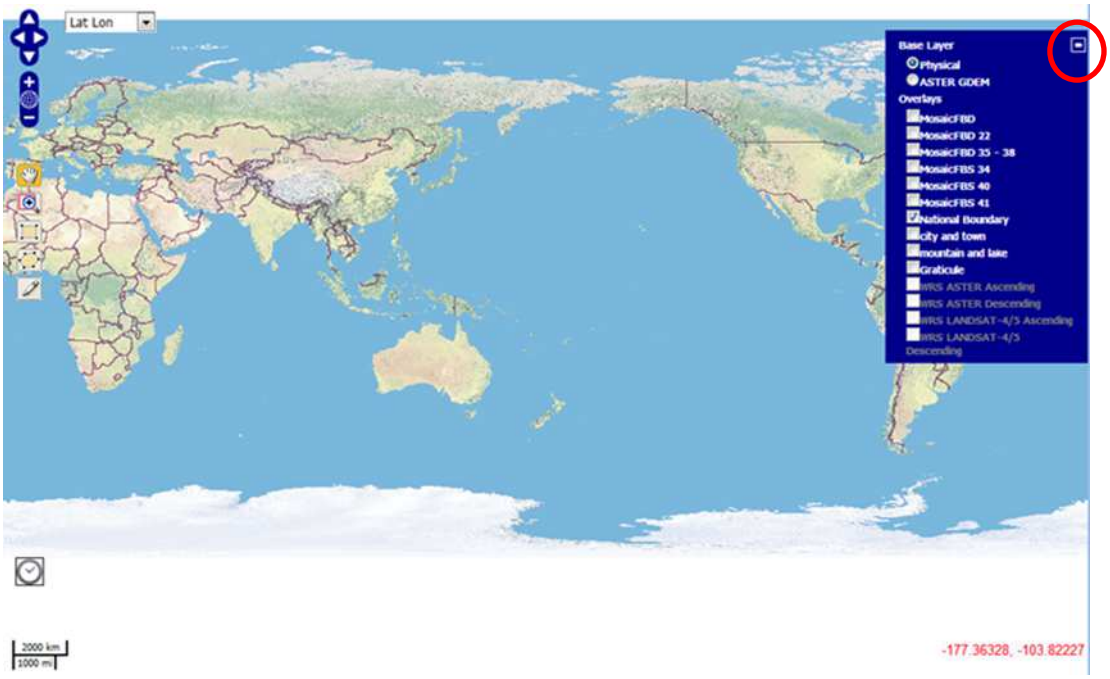


Fig. 3.7-1 Switch Layers

Following layers can be displayed on the map. Some layers are displayed during loggin only. .

Table 3.7-1 Types of Layers

Layer type	Layer name	Condition to display	Description
Base Map	Physical	Always displayed [Display according to map projection] Lat Lon: Possible North Pol: Possible South Pole: Possible	Terrain Map
	ASTER GDEM	Always displaed. [Display according to map projection] Lat Lon: Possible North Pol: No South Pole: No	Terrain Map
Mosaic Image	Some, such as MosaicFBD	Displayed during	Mosaic Image

		loggedin [Display according to map projection] Lat Lon: Possible North Pole: No South Pole: No	
Geographical name	city and town	Always displayed at above a certain magnification rate [Display according to map projection] Lat Lone: Possible North Pole: No South Pole: No	Name of countries, capital cities, and cities
	mountain and lake	Always displayed at above a certain magnification rate [Display according to map projection]] Lat Lon: Possible North Pole: No South Pole: No	Name of mountains and lakes
Vector Layer	National Boundary	Always displayed [Display according to map projection]] Lat Lon: Possible North Pole: No South Pole: No	National Borders
	Graticule	Always displayed	Latitude and longitude lines
	WRS ASTER Ascending	Always displayed at above a certain magnification rate	ASTER's nadir scene boundary observed from nominal ascending

			orbit
	WRS ASTER Descending	Always displayed at above a certain magnification rate	ASTER's nadir scene boundary observed from nominal descending orbit
	WRS LANDSAT-4/5 Ascending	Always displayed at above a certain magnification rate	LANDSAT's nadir scene boundary observed from nominal ascending orbit
	WRS LANDSAT-4/5 Ascending	Always displayed at above a certain magnification rate	LANDSAT's nadir scene boundary observed from nominal descending orbit

[Display/Non-display Mosaic Image]

When selecting a layer, check a name of Mosaic image such as MosaicFBD to display the mosaic image on the map, and uncheck to display the base layer. This function is available only when being logged in.

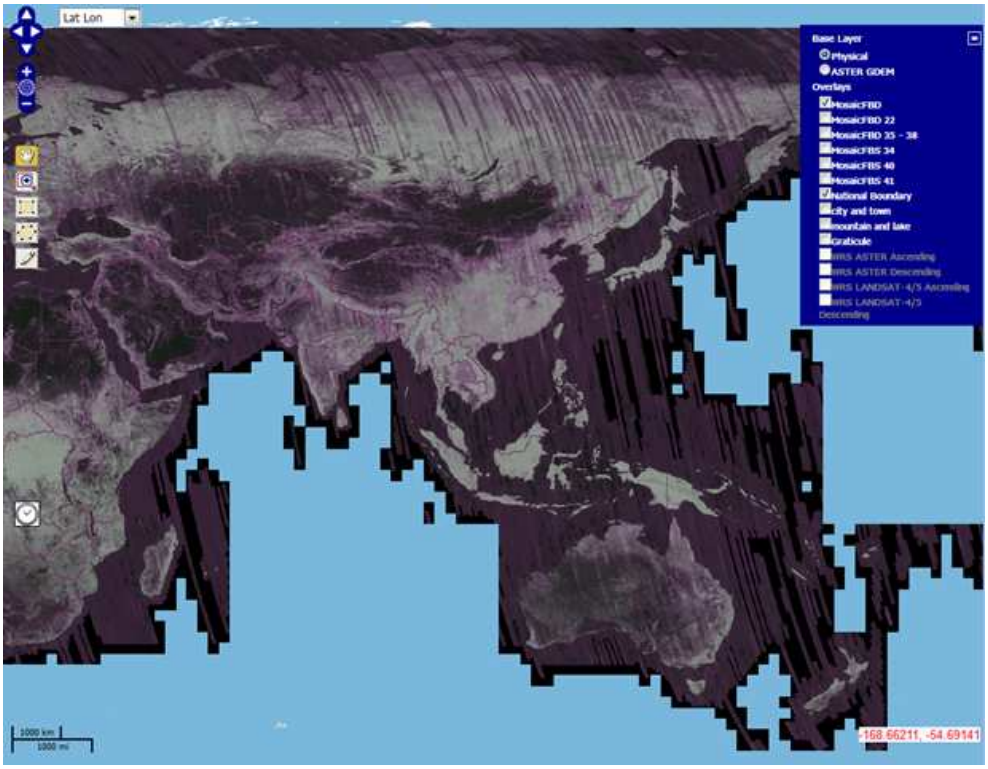


Fig. 3.7-2 Map with a Mosaic Image

[Display/Non-display Geographical Name]

Check or uncheck name of layers (city and town, mountain and lake) in the layer field to switch the display of geographical names on the map. The displayed geographical names change according to map scale.

Fig. 3.7-3 Map with Geographical Names

[Display/Non-display Vector Layer]

Check or uncheck boxes of vector layers such as national borders or latitude and longitude lines to switch the display and non-display on the map.

3.8. Display Background Images in Time Series Order

Mosaic images can be displayed in time series order as the background layer. A button to open control panel of time series layer is at the left bottom of map area. This button is displayed only when being logged in.it also is displayed during the map projection s Lat Lon only. In case the map projection is North Pole or South Pole, this button is not shown.

During using time series layers, other layers cannot be displayed on the map.

- city and town
- mountain and lake
- National Boundary

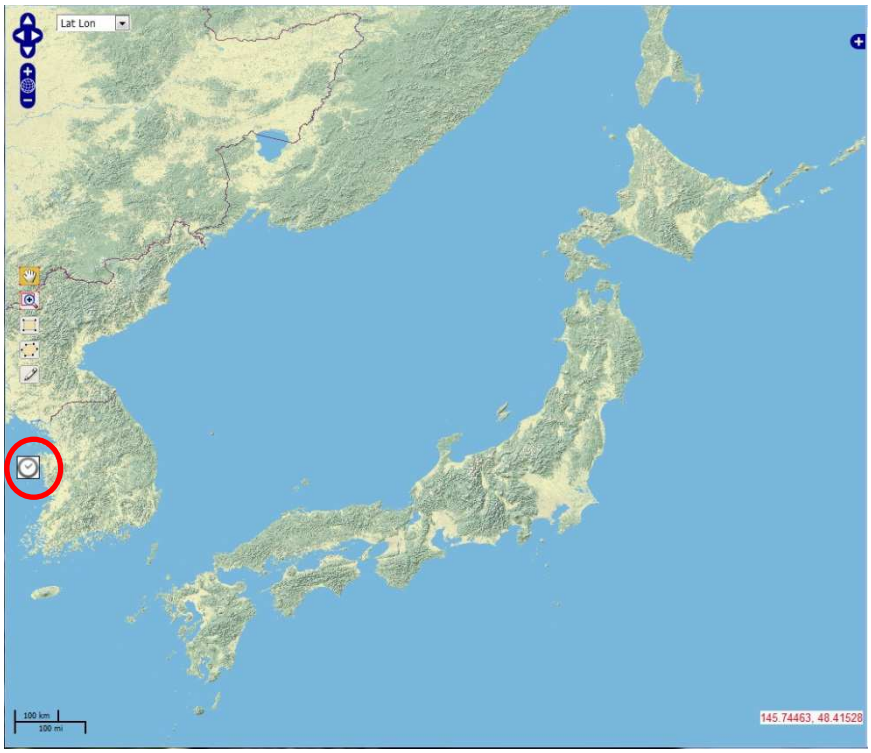


Fig. 3.8-1 Button to Open Control Panel of Time Series Layers

Click the button to open control panel of time series layers.

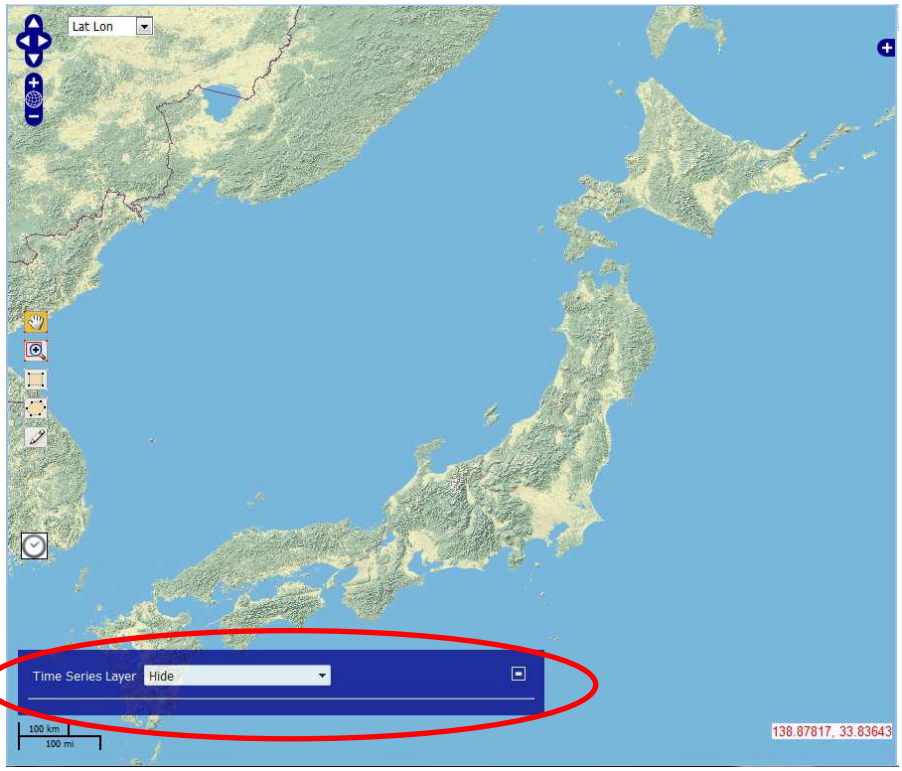


Fig. 3.8-2 Open control Panel of Time Series Layers

Select a time series layer. The below figure is the close-up of control panel.

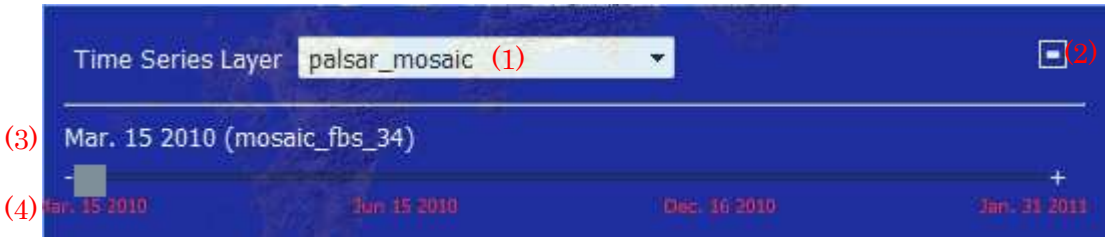


Fig. 3.8-3 Close-up of TimeSeries Layers Control Panel

Table 3.8-1 Contents of Control Panel of Time Series Layers

No.	Content	Description
(1)	Drop-down list for Time Series Layers	Time series layer to display is selected from this list
(2)	Drop-down list for Time Series Layers	Recurrent Information
(3)	Recurrent Information	Recurrence information is displayed according to the slider position
(4)	Slider to choose recurrence	When a recurrence is chosen, the corresponding mosaic image is overlaid on map. Slider is adjustable to right and left by mouse. Arrow keys of key board can move the slider when the slider is active. + and -buttons can move slider right and left.

Choose a recurrence using the slider, and the mosaic image corresponding to the chosen recurrence is overlaid on map.

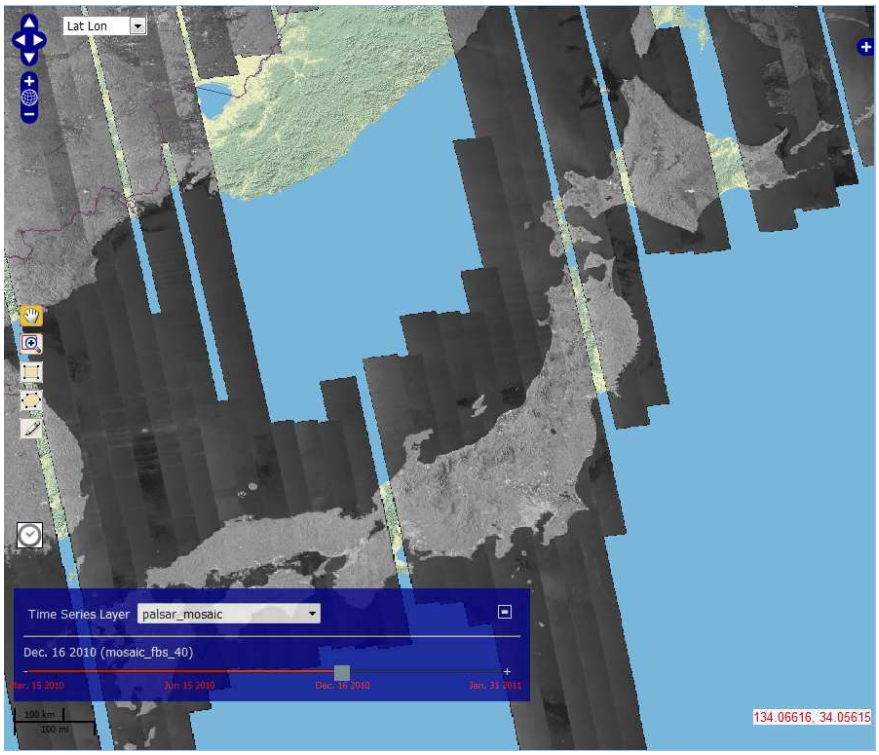


Fig. 3.8-4 Example of Time Series Layer (1)

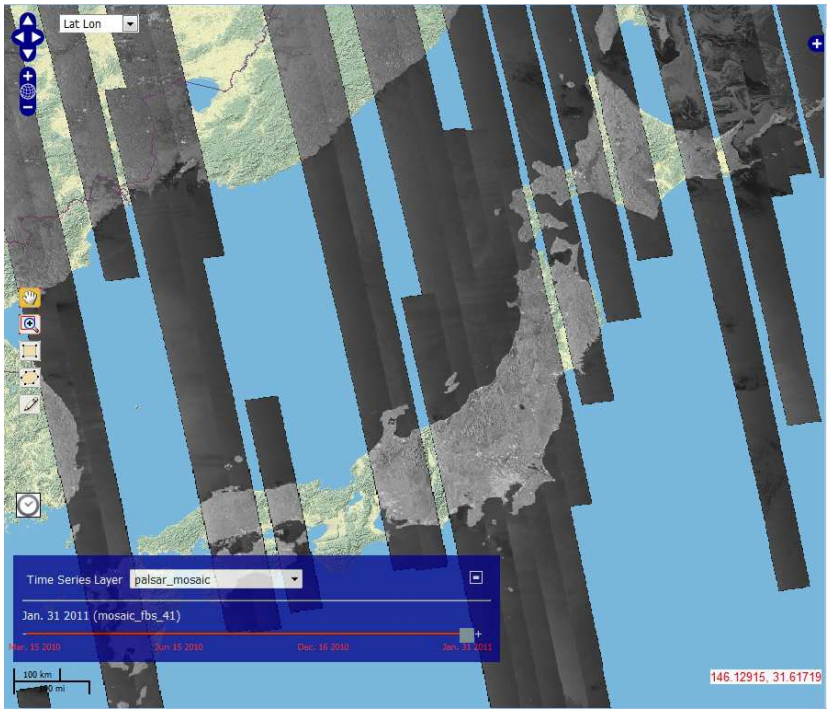


Fig. 3.8-5 Example of Time Series Layer (2)